KENWOOD

DVD/VCD/CD PLAYER

DVF-N7080

INSTRUCTION MANUAL

KENWOOD CORPORATION

MP3 / WMA

B60-5498-00 00 (MA) (E/X) (OC) 04/03

Before applying power

⚠ *Caution : Read this page carefully to ensure safe operation.*

Units are designed for operation as follows.

Europe and U.K. ..... AC 230 V only
Australia ..... AC 240 V only

Safety precautions

⚠ *Caution : Read this page carefully to ensure safe operation.*

WARNING : TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
	THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.
	THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

The marking of products using lasers

(For countries other than U.S.A. and U.S.-Military)

CLASS 1
LASER PRODUCT

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.
Location: Back panel

CAUTION
VISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM.

Inside this laser product, a laser diode classified as Class 2 laser radiation is contained as alerted by the internal caution label shown above. Do not stare into beam.

Location: DVD laser pick-up unit cover inside this product

Special features

- ♦ *Transfer Movie , Music and Photo data from PC to TV*
- ♦ *Ethernet terminal for LAN access*
- ♦ *Graphical User Interface (G.U.I.)*
- ♦ *MPEG1 , MPEG2 files, DivX®video playback*
- ♦ *JPEG, BMP, GIF and PNG files playback*
- ♦ *PC card slot for still picture data (JPEG file)*

This document classifies the applications of each feature using the following marks.

DVD : Description of a feature that can be used with DVD.
CD : Description of a feature that can be used with CD.
VCD : Description of a feature that can be used with VCD.

Unpacking

Unpack the unit carefully and make sure that all the accessories are present.

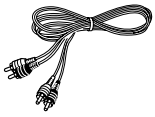
If any accessories are missing, or if the unit is damaged or fails to operate, notify your dealer immediately. If the unit was shipped to you directly, notify your shipper immediately. Kenwood recommends that you retain the original carton and packing materials in case you need to move or ship the unit in the future.

Keep this manual at hand for future reference.

Accessories

Please confirm that the following accessories are present.

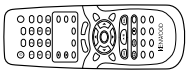
Audio cord (Red, White) ...(1)



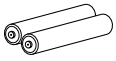
Video cord (Yellow) ...(1)

Coaxial cord (Orange) ...(1)

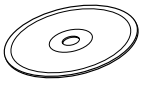
Remote control unit ...(1)



Batteries (R6/"AA" -size) ...(2)



CD-ROM (PC application) ...(1)



DIMMER function

The display brightness of the main unit can be changed.

Press the DIMMER key to switch the dim function on and off.

Caution : Read the pages marked ⚠ carefully to ensure safe operation.

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File Specifications

MOVIE (file size up to 2GB)

Category/Item	format	extension	detail		(Audio)
● DATA DISC (ISO 9660 LEVEL 2)					
● NETWORK					
MPEG1		.MPG, .MPEG	video resolution up to 720 x 576	Bit Rate up to 1.5Mbps	Mpeg1 Layer1 & 2
MPEG2		.MPG, .MPEG	video resolution up to 720 x 576	Bit Rate up to 8Mbps	Mpeg1 Layer1 & 2
DivX®VIDEO*		.AVI	video resolution up to 720 x 576		WAV, MP3, Dolby Digital
XviD		.AVI	video resolution up to 720 x 576	Bit Rate up to 6Mbps	WAV, MP3, Dolby Digital

MUSIC (file size up to 2GB)

Category/Item	format	extension	detail	
● DATA DISC (ISO 9660 LEVEL 2)				
● NETWORK				
MPEG Audio	MPEG1 Audio	.MP1	Layer I Bit Rate 32 to 448 kbps, CBR/VBR	FS 32k, 44.1k, 48k
		.MP2	Layer II Bit Rate 32 to 384 kbps, CBR/VBR	FS 32k, 44.1k, 48k
		.MP3	Layer III Bit Rate 32 to 320 kbps, CBR/VBR	FS 32k, 44.1k, 48k
WMA	ver8	.WMA	Bit Rate 48 to 192 kbps, CBR	FS 32k, 44.1k, 48k
	ver9	.WMA	Bit Rate 48 to 192 kbps, CBR/VBR	FS 32k, 44.1k, 48k
WAV		.WAV	16 bit Stereo	FS 44.1k, 48k
Ogg Vorbis		.OGG	Bit Rate 64 kbps to 256 kbps	FS 32k, 44.1k, 48k

PHOTO

Category/Item	format	extension	detail		
● DATA DISC (ISO 9660 LEVEL 2)					
JPEG		.JPG, .JPEG	video resolution file size	up to 2048 x 1536 up to 2MB	24bit True color
BMP		.BMP	video resolution file size color	up to 1024 x 768 up to 2MB 24bit colors	 (It displays in 256 colors)
PNG		.PNG	video resolution file size color	up to 1024 x 768 up to 1MB 24bit colors	 (It displays in 256 colors)
GIF		.GIF	video resolution file size	up to 2048 x 1536 up to 650 KB	256 colors
● NETWORK					
JPEG		.JPG, .JPEG	file size up to 5MB		24bit True Color
BMP		.BMP	file size up to 5MB		24bit True Color
PNG		.PNG	file size up to 5MB		24bit True Color
GIF		.GIF	file size up to 5MB		24bit True Color
● MEMORY CARD					
JPEG		.JPG, .JPEG	video resolution up to 2048 x 1536 file size up to 2MB		24 bit True color

- **Depending on the data recording condition and other factors, playback may not be possible.**
- **Depending on the orientation, still pictures may be cut off slightly in vertical or in horizontal direction.**

*** Official DivX Certified™ product. Plays DivX®5, DivX®4, DivX®3, and DivX®VOD video content (in compliance with DivX Certified™ technical requirements)**

Naming folders and files

Single-byte characters between A and Z, single-byte numerais between 0 and 9, and the single-byte underscore(_) can be displayed. Ensure that the extension log is attached to all file names.

- **Never add the wrong extension log to any files, the equipment will assume that they can be played back, and this will produce loud noises in the speakers, resulting in damage of adverse effects.**

Types of playable discs

The system this unit is using does not only play music from CD but can also play the discs listed below to offer you high-quality entertainment of video of movies and live concerts.

Playable Disc		DVD VIDEO (DVD-R/RW, DVD+R/RW)		CD (CD-R, CD-RW)		VCD (SVCD*)	
Logo mark on disc		DVD VIDEO	DVD VIDEO	COMPACT disc DIGITAL AUDIO		COMPACT disc DIGITAL VIDEO	COMPACT disc SUPER VIDEO
Disc size		8cm	12cm	8cm	12cm	8cm	12cm
Played sides		One or both	One or both	One side only	One side only	One side only	One side only
Contents	Video + Audio	Approx. 41 min. (1 side, 1 layer) Approx. 75 min. (1 side, 2 layers) Approx. 82 min. (2 sides, 1 layer) Approx. 150 min. (2 sides, 2 layers)	Approx. 133 min. (1 side, 1 layer) Approx. 242 min. (1 side, 2 layers) Approx. 266 min. (2 sides, 1 layer) Approx. 484 min. (2 sides, 2 layers)			Max. 20 min.	Max. 74 min.
						(In case of an SVCD, the possible play-back time becomes shorter.)	
	Audio			Max. 20 min., digital	Max. 80 min., digital		

- **Please refer to page 5 for the CD-R, CD-RW, DVD-R, and DVD-RW file formats which can be played back by this unit.**
- *** This unit can play SVCDs, but some functions will not work.**
- **This unit can play back DVD-R and DVD-RW discs recorded in the DVD VIDEO format and DVD+R and DVD+RW discs, but depending on the recording unit, the disc manufacturer, etc., playback sometimes may not be possible.**
- **This unit may also be incapable of playing certain CD-R/RW discs depending on their properties, recording conditions, etc.**

Unplayable discs

This player cannot play back any of the following discs.

DVD AUDIO discs
DVD-RAM discs
SACD discs
VSD discs
CDV discs (Only the audio part can be reproduced.)
CD-G/CD-EG/CD-EXTRA discs (Only the audio can be reproduced.)
Photo CD discs (Never attempt to play them.)

- A DVD VIDEO disc with a region code which does not match this unit or without a region code. For details, see "**Region Codes**". → 7
- When the video format of a disc differs from that of the TV in use, the disc cannot be played normally. For details, see "**Video Formats**". → 8

Icons on the DVD VIDEO discs

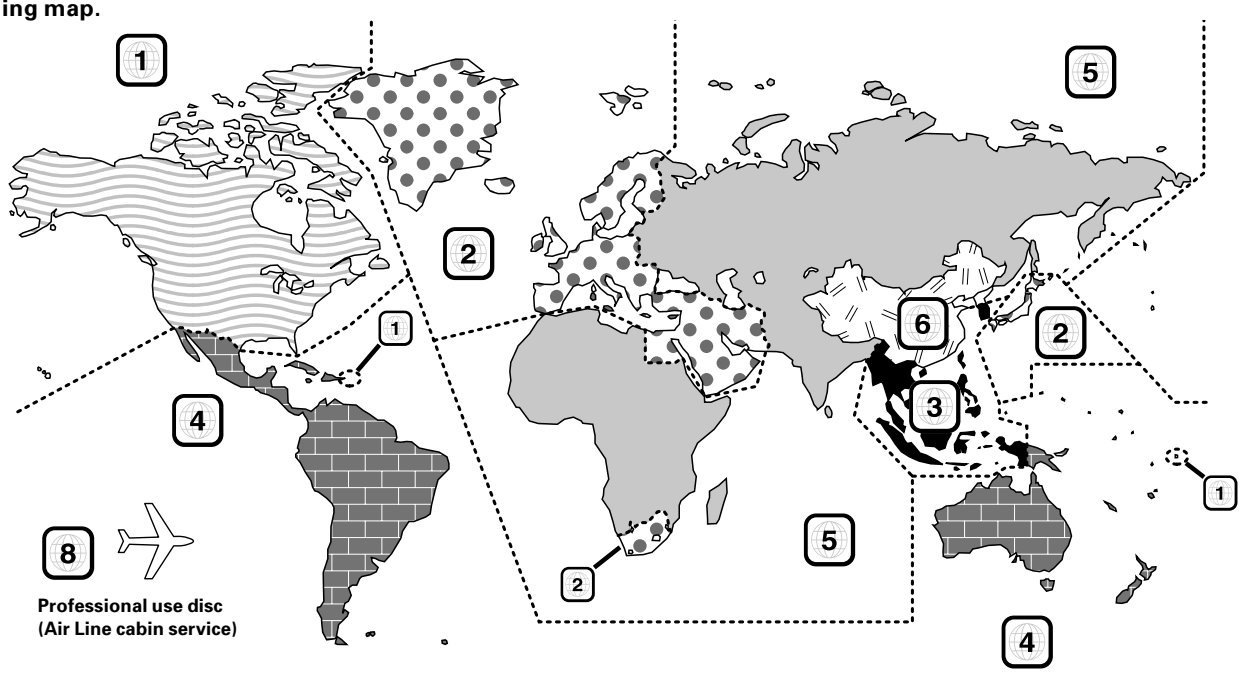
Icon	Description
ALL	Indicates the region code where the disc can be played.
8	Number of voice languages recorded with the audio function. The number in the icon indicates the number of voice languages. (Max. 8 languages)
32	Number of subtitle languages recorded with the subtitle function. The number in the icon indicates the number of subtitle languages. (Max. 32 languages)
9	Number of angles provided by the angle function. The number in the icon indicates the number of angles. (Max. 9 angles)
16:9 LB	Aspect ratios that can be selected. "4:3 Letter box" stands for Letter Box and "4:3 Panscan" for Pan/Scan. → 18 In the example on the left, the 16:9 video can be converted into letter box video.

Region Codes

Every player of this model has a certain region code assigned to it based on the country where the player is used. When the player is used to play back DVD VIDEO discs, it can only play the DVD VIDEO discs carrying the region codes matching the region code of the player.
The region code for this player is described on the rear panel of the player.

Region codes in the world

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.



Region codes of the DVD VIDEO discs that can be played with this player

This player can play back a DVD VIDEO disc which carries the corresponding code to the region code of the player shown in the table above, a marking containing the region code of the player or the "ALL" marking shown below. Even when a DVD VIDEO disc does not carry any indication of the region code, it may sometimes unable to be played on this player due to certain restrictions.

ALL

Restrictions due to difference between discs

Some DVD and VCD discs can be played only in certain playback modes according to the intentions of the software producers. As this player plays discs according to their intentions, some functions may not work as intended by you. Please be sure to read the instructions provided with each disc. When an invalid icon is displayed on the TV screen connected to the player, it indicates that the disc being played is under the restriction as described above.

Invalid icon

Video formats

The TV picture display and disc signal systems can be divided roughly into two TV formats (NTSC and PAL).

They are variable depending on countries and areas.

TV formats in major countries

TV Format	Major Countries & Areas
NTSC	Japan, Taiwan, Korea, USA, Canada, Mexico, Philippines, Chile, etc.
PAL	China, U.K., Germany, Australia, New Zealand, Kuwait, Singapore, etc.

This unit has a function for changing the video format according to the TV type. Please confirm the type of your TV.

Checking the Video Format

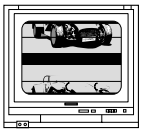
Check the video format of the TV to be used

When the video formats are different :

Try playing the disc. If the video formats of the disc and TV do not match, the played video may be black and white or become as shown below.

Top and bottom edges are not displayed.

Top and bottom areas are dark.



Picture turbulence due to sync unmatching.

To select TV Type

During stop, press the VIDEO OUT key on the remote to select a TV type temporarily.

To change the initial setting, change the "Video Out" setting in the "Main" settings on the Setup menu screen. → 18

Maintenance

Maintenance of the unit

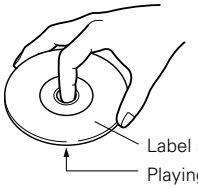
When the front panel or case becomes dirty, wipe with a soft, dry cloth. Do not use thinner, benzine, alcohol, etc. for these agents may cause discoloration.

In regard to contact cleaner

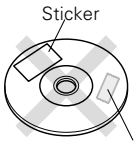
Do not use contact cleaners because it could cause a malfunction. Be specially careful not to use contact cleaners containing oil, for they may deform the plastic component.

Reference

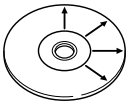
Disc handling precautions



Handling
Hold the disc so that you do not touch the playing surface.



Do not attach paper or tape to either the playing side or the label side of the disc.



Cleaning
If there are fingerprint marks or foreign matter found on the disc, lightly wipe the disc with a soft cotton cloth (or similar) from the center of the disc outwards in a radial manner.

Storage
When a disc is not to be played for a long period of time, remove it from the player and store it in its case.

Never play a cracked or warped disc

During playback, the disc rotates at high speed in the player. Therefore, to avoid danger, never use a cracked or deformed disc or a disc repaired with tape or adhesive agent. Please do not use discs which are not round because they may cause malfunction.

Disc accessories

The disc accessories (stabilizer, protection sheet, protection ring, etc.) which are marketed for improving the sound quality or protecting discs as well as the disc cleaner should not be used with this system because they may cause malfunction.

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

1. **Set the ON/STANDBY switch to ON without loading a disc.**
2. **Set the input selector to DVD.**
3. **Wait a few seconds and verify that the display below appears.**

   "NO DISC"

4. **Set the ON/STANDBY switch to OFF.**
5. **Remove the PC card adapter.**

Caution on condensation

Condensation (of dew) may occur inside the unit when there is a big difference in temperature between this unit and the outside. This unit may not function properly if condensation occurs. In this case, leave the unit for a few hours and restart the operation after the condensation has dried up.

Be specially cautious against condensation in the following circumstances:
When this unit is carried from one place to another across a big difference in temperature, when the humidity in the room where this unit is installed increases, etc.

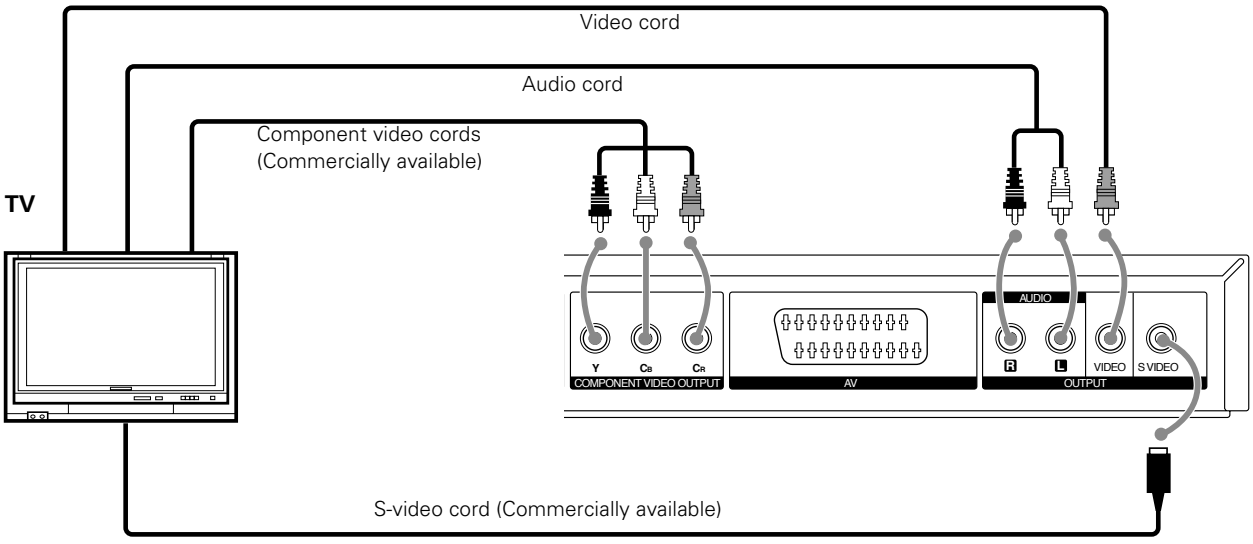
Caution:
Do not plug in the power lead until all connections are completed.

Make connections as shown below.
When connecting the related system components, refer also to the instruction manuals of the related components.

Malfunction of microcomputer

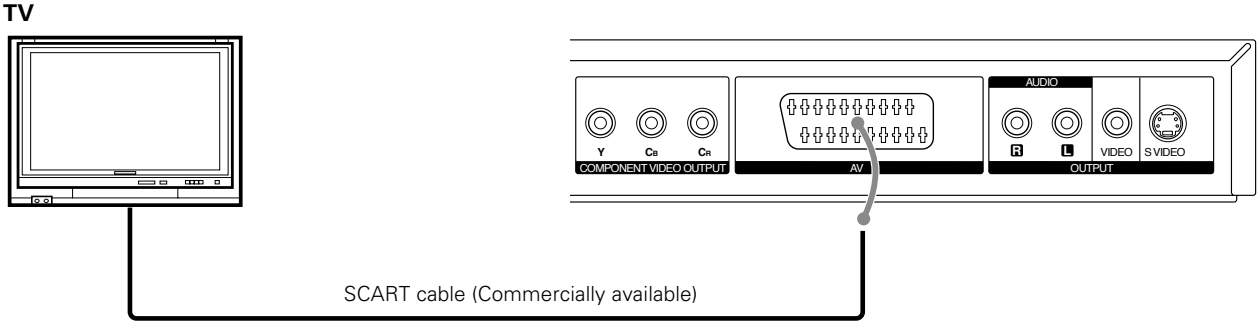
If operation is not possible or erroneous display appears even though all connections have been made properly, reset the microcomputer referring to "**In case of difficulty**". → 48

Connecting to a TV with video input terminal



*** Connect only either the video (composite) cord or the S-video cord.**
For connection with an audio cord, set the "Digital Audio" setting of the "Main" settings on the Setup menu screen to "PCM (Analog on)". → 18

Connecting to a TV with SCART input terminal



For connection with an audio cord, set the "Digital Audio" setting of the "Main" settings on the Setup menu screen to "PCM (Analog on)". → 18

Note

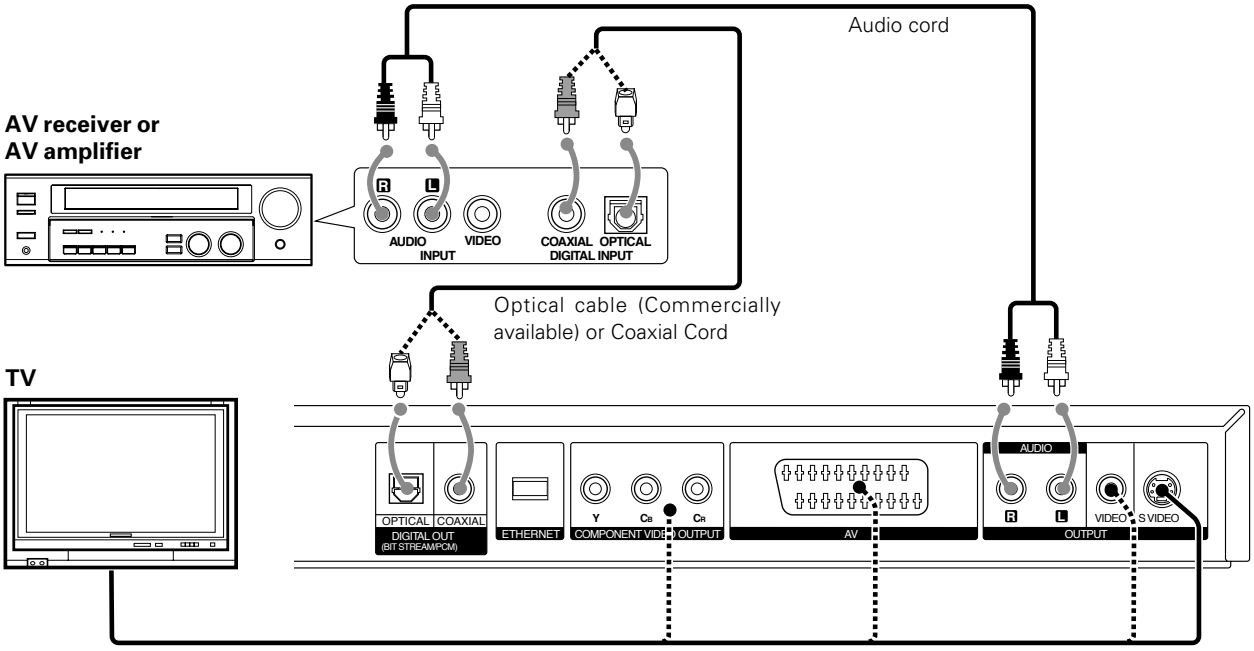
Make sure the DVD player is connected directly to the TV and not to a VCR, otherwise the DVD image could be distorted by the copy protection system.

DTS disclaimer clause

When playing DTS-encoded (CDs, DVDs), excessive noise will be exhibited from the analog stereo outputs. To avoid possible damage to the audio system, the consumer should take proper precautions when the analog stereo outputs of the DVD player is connected to an amplification system.
To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the digital output (S/P DIF, AES/EBU, or TosLink) of the DVD player.

Connecting to an Audio component

For playback of DTS audio, please connect an AV receiver or an AV amplifier which can decode DTS by digital connection.



Video cord, S-video cord (Commercially available) or Component video cords (Commercially available) (→ 10)

Amplifier equipped with 2-channel analog stereo or Dolby Pro Logic II / Pro Logic:
Connect the left and right **AUDIO OUT** jacks on the DVD player to the audio left and right IN jacks on your amplifier, receiver, or stereo system, using the audio cables.

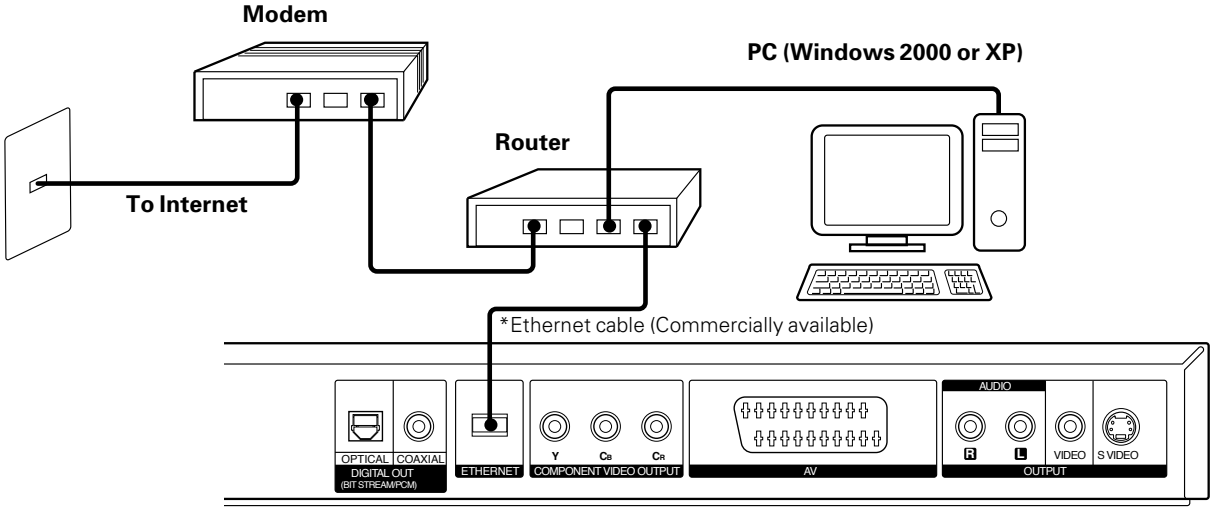
For connection with an audio cord, set the "Digital Audio" setting of the "Main" settings on the Setup menu screen to "PCM (Analog on)". → 18

Amplifier equipped with 2-channel digital stereo (PCM) or a multi-channel decoder (Dolby Digital, MPEG 2, or DTS):
Connect one of the DVD Player's **DIGITAL OUT** jacks (**COAXIAL** or **OPTICAL**) to the corresponding in jack on your amplifier. Use a digital (coaxial or optical) cable.

Notes

1. In case an associated system component is connected, also read the instruction manual of the component.
2. If the audio format of the digital output does not match the capabilities of your receiver (amplifier), the receiver produces a strong, distorted sound or no sound at all.
3. Insert the optical-fiber cable straight into the connector until it clicks.
4. Never bend or bundle the optical-fiber cable.
5. Do not place TV sets or other heavy objects onto this unit.
6. When a 96 kHz signal is played back, it is put out from the DIGITAL OUT terminal after conversion to 48 kHz.

Connecting an ETHERNET cable

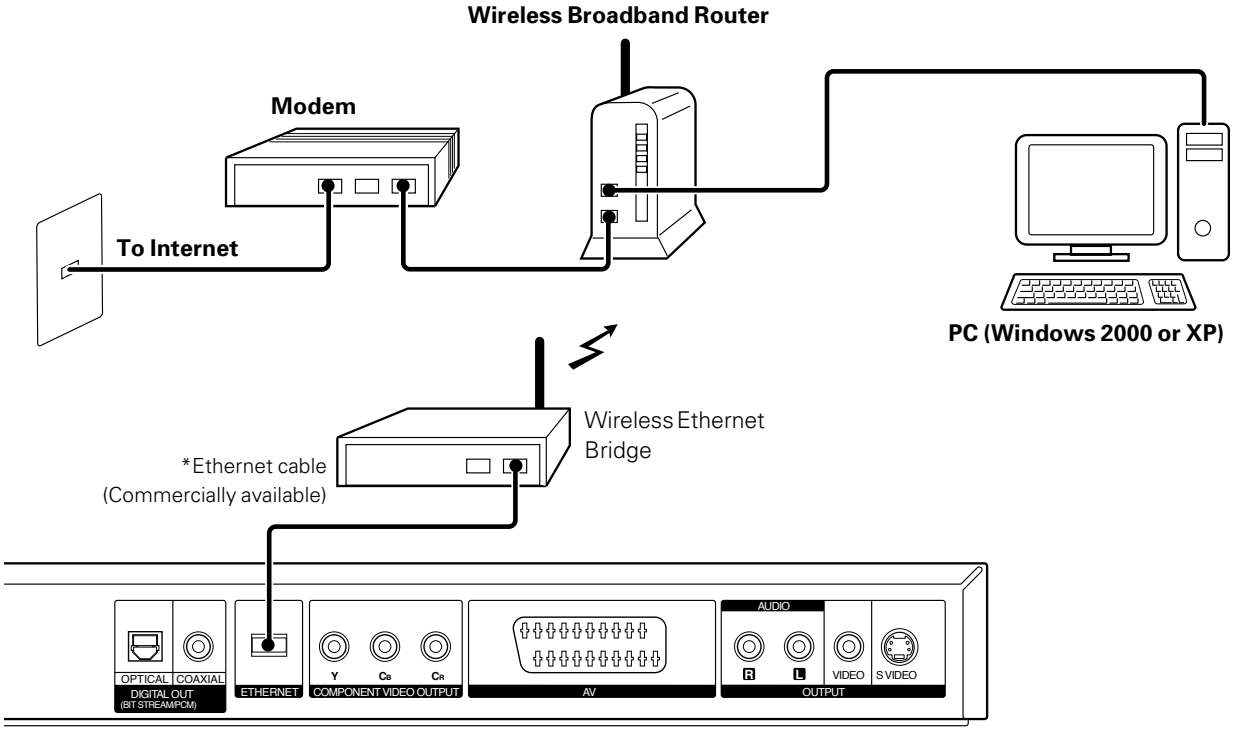


When not using a router or a hub, connect directly to PC with a cross ethernet cable, and the IP address must be set manually. (→ 20)

*** Please refer to the instruction manual of your router or hub. Depending on your router or hub they may in rare case not work with a cross ethernet cable.**

Connecting to a wireless LAN

Connect a Wireless Ethernet Bridge to the Ethernet terminal at the rear and establish a wireless connection.



Note This unit does not have a function for connection to the Internet.

Repeat mode indicators
RANDOM indicator
TITLE indicator
CHAP (Chapter) indicator
TRACK indicator
HOUR indicator
MIN (Minute) indicator
SEC (Second) indicator
P.B.C. indicator
PROGRESSIVE indicator
FILE indicator
HD indicator
Play indicator
Pause indicator
Character information display section
Disc information
AUDIO indicator
VIDEO indicator
DVD indicator
CD indicator
VCD indicator
DATA indicator
Display

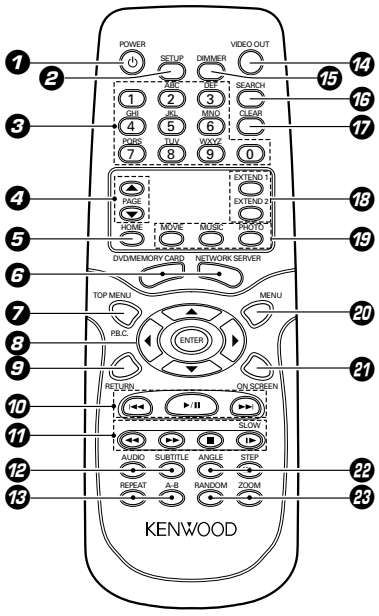
❶ STANDBY indicator
❷ ON/STANDBY key
❸ Remote sensor → 14
❹ Disc tray → 22 → 28
❺ ⏏ (Open/Close) key → 22 → 28
❻ PC card slot → 43
❼ PC card eject button → 43
❽ DVD/MEMORY CARD key → 22 → 28 → 43
❾ NETWORK SERVER key → 39
❿ ►/II (Play / Pause) key → 23 → 29 → 40
⓫ ■ (Stop) key → 23 → 30 → 40
⓬ |◄◄(PREV.), ►►|(NEXT) (Skip) keys → 23 → 30 → 40
⓭ NET LINK indicator

STANDBY MODE

While the standby indicator is lit, a small amount of power is supplied to the system. This is called standby mode. Under this condition, the system can be turned ON by the remote control unit.

AT THE TIME OF POWER OFF

When the **ON/STANDBY** key is pressed, some time (approx. 10 sec) may be required from lighting of the STANDBY indicator and the display of this unit and the TV OSD to switch off.



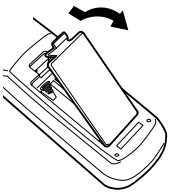
Model : RC-D0712 (Infrared ray system)

The keys on the remote control unit with the same names as on the main unit have the same function as the keys on the main unit.

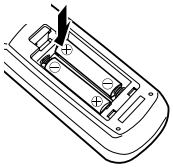
❶ POWER key
❷ SETUP key → 17
❸ Numeric keys (character input keys) → 24 → 42
❹ PAGE (▲/▼) keys → 29 → 40 → 44
❺ HOME key
❻ DVD/MEMORY CARD key → 22 → 28 → 43
NETWORK SERVER key → 39
❼ TOP MENU/P.B.C. key → 23 → 25
❽ Cursor (▲) Up, (▼) Down, (◄) Left and (►) Right keys → 17
ENTER key → 17
❾ RETURN key → 17
❿ ►/II (play/pause) key → 23 → 29 → 40
I◄◄/►►I keys (skip keys) → 23 → 30 → 40
⓫ ◄◄/►► keys (search keys) → 23 → 30 → 40
■ (Stop) key → 23 → 30 → 40
SLOW key → 24
⓬ AUDIO key → 25
SUBTITLE key → 25
⓭ REPEAT key → 26 → 31 → 41
A-B (A-B repeat) key → 26
⓮ VIDEO OUT key → 8
⓯ DIMMER key → 3
⓰ SEARCH key → 42
⓱ CLEAR key → 24 → 32 → 42
⓲ EXTEND 1/2 key (No function on this unit)
⓳ MOVIE key → 29 → 39
MUSIC key → 29 → 39
PHOTO key → 29 → 39 → 43
⓴ MENU key → 23
㉑ ON SCREEN key → 27 → 32 → 45
㉒ ANGLE key → 27 → 31 → 45
STEP key → 24
㉓ RANDOM key → 26
ZOOM key → 31 → 41 → 45

Loading batteries

❶ Remove the cover.

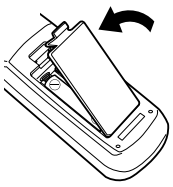


❷ Insert batteries.



- Insert two R6 ("AA"-size) batteries following the polarity indications.

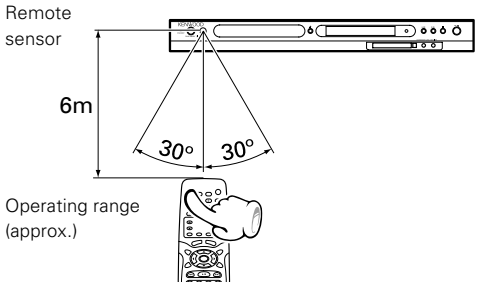
❸ Close the cover.



Operation

Insert the power plug into a power outlet, press the POWER (ON/STANDBY) key of the main unit to on, then press the desired remote control key.

- When pressing more than one remote control keys successively, press the keys securely by leaving an interval of 1 second or more between pressing of keys.



Notes

1. The provided batteries are intended for use in operation checking, and their service life may be short.
2. When the remote controllable distance becomes short, replace both of the batteries with new ones.
3. If direct sunlight or the light of a high- frequency fluorescent lamp (inverter type, etc.) is incident to the remote sensor, malfunction may occur. In such a case, change the installation position to avoid malfunction.

Installing KENWOOD PC SERVER

By installing the application KENWOOD PC SERVER in a PC, the data stored in the PC can be imported in the libraries for listening to or viewing music, movie and photographic data in the PC on the libraries.
It is first necessary to connect the PC to this unit and set it up. →12 →20

Minimum requirements

Operating system (OS): Windows XP Professional SP1, Windows XP Home Edition SP1, Windows 2000 Professional SP4 or after.

Be sure to install the Service Pack for each OS.

PC: IBM PC/AT compatible model that supports one of the above-listed OSs officially.

CPU: Intel Pentium III, 800 MHz or higher.

Memory: 128 MB or more.

Hard disc space: 160 MB or more.

Ethernet interface: 100Base-TX recommended.

Number of DVF-N7080 units connectable to network: 3 units.

- The operation is not guaranteed for all of the environments matching the above requirements.
- Playback may be intermittent when 10Base-T is used as the Ethernet interface or IEEE802.11b is used for the wireless Ethernet bridge.

Before using the software, it should be installed in the PC with the following procedure.

- Exit from all software that is currently running.
- Check the operating environment of the PC.
- The driver software will be installed automatically when the software is launched for the first time after its installation.

For the installation, log on using the user name with the Administrator authority.

1 Place the "KENWOOD PC SERVER Installation CD-ROM" in the CD-ROM compatible drive connected to the PC.

The installer is launched automatically and the [Installer Language] screen is displayed. After selecting the language, the installation wizard is displayed.

- If the installer is not launched automatically, double-click on the [My Computer] icon on the desktop and then double-click on the CD-ROM drive in which the "KENWOOD PC SERVER Installation CD-ROM" is placed.
  The installer may also be launched by double-clicking on execution filename "SETUP.EXE".

2 Continue the installation procedure by following the instructions displayed on the wizard.

The wizard display changes in the following sequence:

[**License Agreement**] screen
[**Choose Components**] screen
[**Choose install Location**] screen
- The installation destination folder is set to [Program Files]. If you want to change this default, select [Browse] and specify the desired destination.

[**Java2 Runtime Installer**] screen
[**KENWOOD PC SERVER Installer**] screen
[**Completing the KENWOOD PC SERVER Setup Wizard**] screen

3 Reboot the PC.

- The following modules are added when the "KENWOOD PC SERVER" software is installed:
  Microsoft® Data Access Components 2.5
  ©1981-1997 Microsoft Corporation.
  All rights reserved.
  Microsoft® DirectX® Media Runtime
  ©1998 Microsoft Corporation.
  All rights reserved.
  Java™
  © Sun microsystems Corporation.
  All rights reserved.
- The above modules are not deleted even when the "KENWOOD PC SERVER" software is uninstalled.

KENWOOD PC SERVER application

- It is prohibited to duplicate, modify, add or otherwise alter a part or the whole of this software.
- KENWOOD will not accept any liabilities for damages incurred by the user or a third party due to the use of this software.
- The specifications of this software may be subject to change without notice.

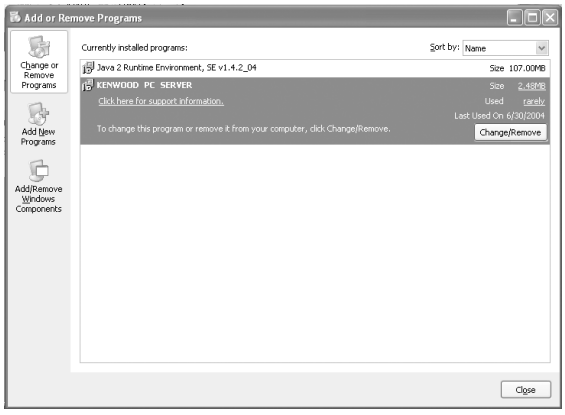
Uninstalling KENWOOD PC SERVER

When the software is no longer necessary, the software program can be removed by executing uninstallation. Be sure to exit from the software before proceeding to its uninstallation.

For the uninstallation, log on using the user name with the Administrator authority.

1 ***Select [Start] ➡ [Control Panel] ➡ [Add or Remove Programs].***

2 ***In the [Change or Remove Programs] dialog box, select [KENWOOD PC SERVER] and click on the [Change/Remove] button.***



- The software can also be uninstalled by selecting [Program] ➡ [KENWOOD PC SERVER] and then clicking on [Uninstall].

3 ***Execute the uninstallation procedure by following the instructions displayed.***

- Even after the "KENWOOD PC SERVER" software has been uninstalled, the data edited with the software remains in the KENWOOD folder set as the data save destination folder of the software.
  If you want to remove the software completely from the PC, delete the "KENWOOD" folder after uninstallation.

To change the software

Uninstall the existing software, reboot the PC and install the new software.
If the new software is installed immediately uninstalling the previous software, the operation of the new software will be abnormal.

Updating KENWOOD PC SERVER

The latest information and procedure to update your KENWOOD PC SERVER can be found in the "Technical Support" / "Service" section on the website of your resident country (if necessary you can find a link to your local website on www.kenwood.com <http://www.kenwood.com>).

- How to check the current version of KENWOOD PC SERVER ;
  Lanch the KENWOOD PC SERVER, select [Help] ➡ [Version Infomatioin]

❶ **Uninstall the current KENWOOD PC SERVER and Java 2 Runtime, then reboot the PC.**

❷ **Download the latest version of KENWOOD PC SERVER and Java 2 Runtime.**

❸ **Install the new version of KENWOOD PC SERVER and Java 2 Runtime.** → 15

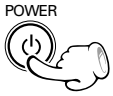
Set up menu

Initial Settings

By using the Setup menu, you can make various adjustments to items. For details on each Setup menu item, see pages 18 to 20.

General Operation

❶ **Turn on the POWER**

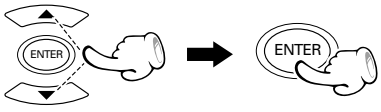


The power is switched on, but a little time is required until operation becomes possible.

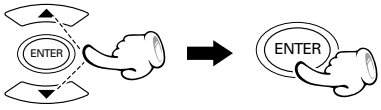
❷ **Press SETUP key.**

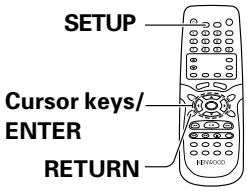
During playback or pause, press **STOP** key.

❸ **Use the Cursor up/down (▲/▼) keys on the remote to select the desired option, then press the ENTER key to move to the second level.**

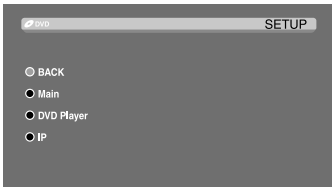


❹ **Use the Cursor up/down (▲/▼) keys on the remote to select the second desired option, then press the ENTER key to move to third level.**



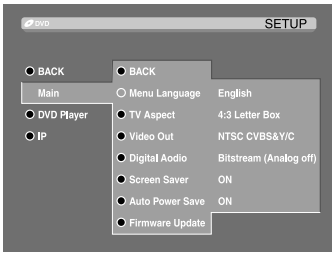


The Setup menu appears.

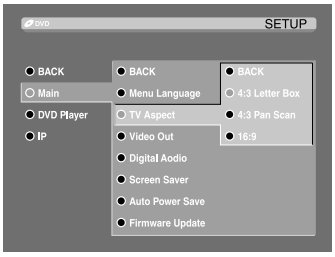


- To exit the Setup menu, press the **RETURN** key or the Cursor left (◄) key on the remote or select **BACK** on the TV screen and press the **ENTER** key.

The possible setting items of the second level and the presently effective parameters are displayed.

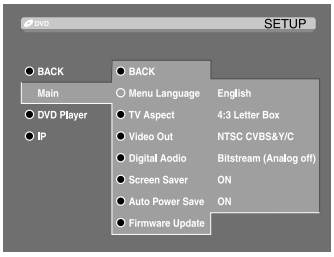


- For return to the preceding level, press the **RETURN** key or the Cursor left (◄) key on the remote or select **BACK** on the TV screen and press the **ENTER** key.



- For return to the preceding level, press the **RETURN** key or the Cursor left (◄) key on the remote or select **BACK** on the TV screen and press the **ENTER** key.

"Main" Setup



Menu Language

Select a language for the Setup menu and on-screen display.

TV Aspect

Select the aspect ratios

4:3 Letterbox: Select when a standard 4:3 TV is connected. Displays a wide picture with bands on the upper and lower portions of the screen.

4:3 Panscan: Select when a standard 4:3 TV is connected. Automatically displays the wide Picture on the entire screen and cuts off the portions that do not fit.

16:9: Select when a 16:9 wide TV is connected.

Video Out

Select the video format put out to the VIDEO OUT terminal. Select according to the format of the TV display to be connected.
The output combinations of video format, composite output, S-video output, component output, and SCART output are shown below.

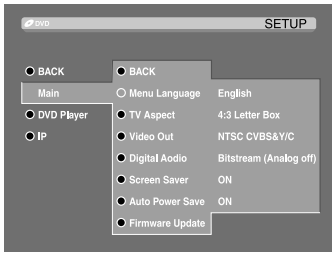
	Video format	Composite	S-video	Component	SCART
①	NTSC	CVBS	Y/C		CVBS
②	NTSC	CVBS		YCbCr	CVBS
③	NTSC	CVBS			RGB
④	PAL	CVBS	Y/C		CVBS
⑤	PAL	CVBS		YCbCr	CVBS
⑥	PAL	CVBS			RGB
⑦	480p			YCbCr	
⑧	720p			YCbCr	
⑨	1080i			YCbCr	

When the setting for the video format at the time of DVD-video playback is 480p, 720p or 1080i, the video format temporarily is output as "⑤ PAL CVBS & YCbCr".

Note

The video format can be switched temporarily by pressing the **VIDEO OUT** key of the remote control unit.

"Main" Setup (Continued)



Digital Audio

Select the Digital Audio format.

Bitstream (Analog off): Select "Bit stream" if you connect the DVD Player's **DIGITAL OUT** jack to an amplifier or other equipment with a Dolby Digital or DTS decoder.

PCM (Analog on): Select when connected to a two-channel digital stereo amplifier. DVDs encoded in Dolby Digital or MPEG will be automatically converted to two-channel PCM audio.

Note

Select **"PCM"** when not connecting to an AV receiver or AV amplifier.

Screen Saver

Select Screen Saver on or off.

ON: The screen saver starts when you leave this unit in stop mode for about 5 minutes.

Auto Power Save

Select ON or OFF.

ON: Power will switch off automatically when you leave this unit in stop mode for about 60 minutes.

Firmware Update

Refer to page 47 for Firmware update.

Progressive Scan and Interlace Scan

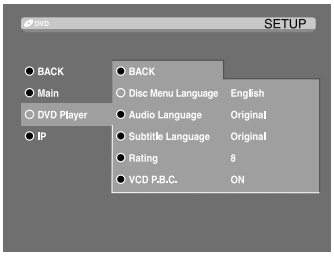
This is the TV screen scanning method. When an image is shown on the TV, the interlace scan method scans only the odd lines in one frame and then the even lines in the next frame, while the progressive scan method shows the lines scanned sequentially from the top. Progressive scan results in a picture with less flicker than with interlace scan.

The number indicates the number of effective scan lines.

Example:
720P : Progressive scan with 720 effective lines
1080i : Interlace scan with 1080 effective lines

The item in ▭ are the initial set values.

"DVD Player" Setup



Disc Menu Language

Select the language you prefer for the Disc Menu

Audio Language

Select the language you prefer for the audio Track.

Subtitle Language

Select the language you prefer for the Subtitle.

Original: Refers to the original language in which the disc was recorded.

Other: To select another language, press numeric keys then press the **ENTER** key to enter the corresponding digit number according to the language code list (→21) in the reference chapter. If You enter the wrong Language code, press the **CLEAR** key.

Note Depending on the disc, not the language set here, but the language specified by the disc will have priority.

Rating

This can restrict playback of adult-oriented DVD discs that you do not want to be seen by children.

However, even when a DVD disc is marked "Adult-oriented" or so on the label, its viewing cannot be restricted unless the restriction level is recorded in the disc itself. (8)

Parental lock level;

Level 8: All DVDs can be played back. (Factory preset)

Level 7 to 2: DVDs for general audiences/children can be played back. (DVDs for adults are prohibited.)

Level 1: DVDs for children can be played back. (DVDs for adults/general audiences are prohibited.)

Change Password

You can enter or change password.

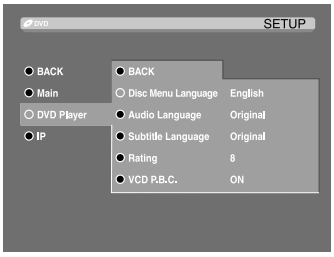
❶ **Select Change Password on the Rating menu then press the ENTER key.**

❷ **Enter the old password, then press the ENTER key.**

❸ **Enter the new 4-digit code, then press the ENTER key.**

❹ **Press the SETUP key to exit the menu.**

"DVD Player" Setup (Continued)



VCD P.B.C.

Set Playback Control (PBC) to On or Off. →21

on: Video CDs with PBC are played according to the PBC.

off: Video CDs with PBC are played the same way as Audio CDs.

Note

Temporary on/off switching is possible by pressing the **P.B.C.** switch of the remote control unit. →25

"IP" Setup

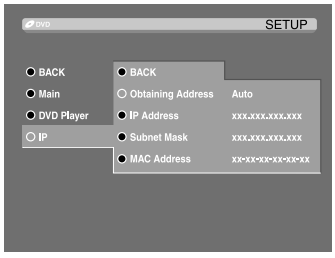
While connecting to a network, networked devices are assigned a unique identifier known as an IP address. IP addresses are used to direct network traffic to the correct destination.

Normally, connection is made to a network and automatic acquisition should be selected. When normal connection to the network by automatic acquisition is not possible, manual IP address setting etc. is required. Confirm the IP addresses of all units connected to the net and set the IP addresses and the subnet mask so that there is no duplication.

The following settings exist at the time of shipping from the factory.

IP Address : 192.168.1.1
Subnet Mask : 255.255.255.0

The range from 192.168.1.1 to 192.168.255.255 is recommended for the IP addresses and 255.255.255.0 is recommended for the subnet mask.



Obtaining Address

Auto: Assigns an IP address and provides other configuration information automatically.

Manual: Assigns an IP address and Subnet Mask manually.

When "Manual" is selected, the IP address and the Subnet Mask can be set.

Before setting the IP address of this unit, confirm the IP addresses of all connected PCs.

To confirm the IP address of a PC.

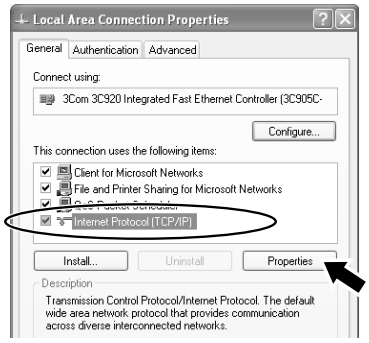
(In case of Windows XP)

❶ **Log on with a user name with administrator privilege.**

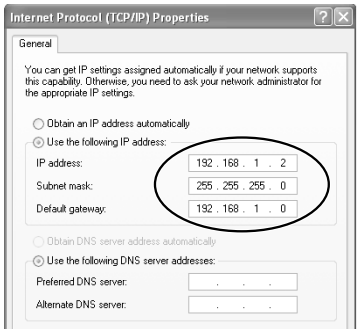
❷ **Select [Start] ➡ [Control Panel] ➡ [Network and Internet Connections] ➡ [Network Connections].**

❸ **Right-click [Local Area Connection] and select [Properties].**

❹ **Select [Internet Protocol (TCP/IP)].**



❺ **Click on the [Properties] button.**



Confirm the IP addresses of the other PCs in the same way.

To input IP address

❶ **Select IP Address on the IP menu then press the ENTER key.**

❷ **Enter the IP Address, then press ENTER key.**

❸ **Press SETUP key to exit the menu.**

Note **Set the IP address for this unit so that it does not coincide with the IP address of any PC.**
Example:
PC : 192.168.1.2
This unit : 192.168.1.1

Subnet Mask

To input Subnet Mask

❶ **Select Subnet Mask on the IP menu then press the ENTER key.**

❷ **Enter the Subnet Mask, then press ENTER key.**

❸ **Press SETUP key to exit the menu.**

MAC Address

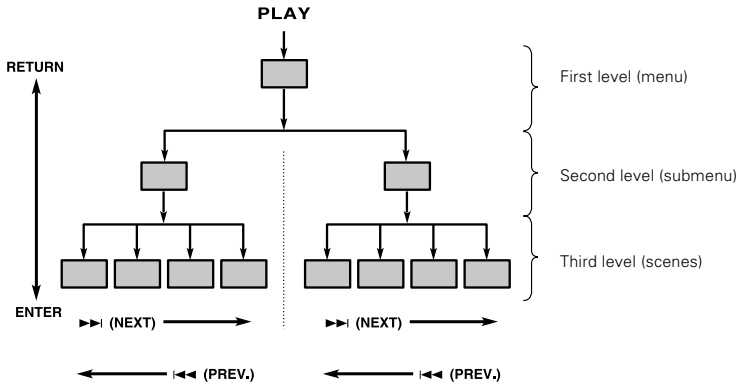
You can not change the MAC Address.

Note If the setting contents have been changed, switch the power off and on again.

VCD Hierarchical structure of VCD menus (P.B.C. function)

When an item is selected on the menu screen during playback of a P.B.C.-compatible VCD, another menu with more detailed items may be displayed. When a number of menus are connected in multiple layers in this way, it is said that the menus have a hierarchical structure. In this structure, the desired scene can be reached by repeating item selections on the menu screens.

Example for a hierarchical structure



Advancing

When an item is selected on the menu screen with the ENTER (Select) key or the numeric keys, advance is made to the next lower menu level. When the advance destination is the "scene" to be played, the contents will be played.

- When several menus (scenes) can be selected in each level, screen switching is possible with the keys ►►I (NEXT) and I◄◄ (PREV.).

Returning

Each time the RETURN key is pressed, return is made to the next higher menu.

DVD language code list

Language	Code
Abkhazian	6566
Afar	6565
Afrikaans	6570
Albanian	8381
Ameharic	6577
Arabic	6582
Armenian	7289
Assamese	6583
Aymara	6588
Azerbaijani	6590
Bashkir	6665
Basque	6985
Bengali; Bangla	6678
Bhutani	6890
Bihari	6672
Breton	6682
Bulgarian	6671
Burmese	7789
Byelorussian	6669
Cambodian	7577
Catalan	6765
Chinese	9072
Corsican	6779
Croatian	7282
Czech	6783
Danish	6865
Dutch	7876
English	6978
Esperanto	6979
Estonian	6984
Faroese	7079

Language	Code
Fiji	7074
Finnish	7073
French	7082
Frisian	7089
Galician	7176
Georgian	7565
German	6869
Greek	6976
Greenlandic	7576
Guarani	7178
Gujarati	7185
Hausa	7265
Hebrew	7387
Hindi	7273
Hungarian	7285
Icelandic	7383
Indonesian	7378
Interlingua	7365
Irish	7165
Italian	7384
Japanese	7465
Javanese	7487
Kannada	7578
Kashmiri	7583
Kazakh	7575
Kirghiz	7589
Korean	7579
Kurdish	7585
Laothian	7679
Latin	7665
Latvian, Lettish	7686

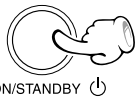
Language	Code
Lingala	7678
Lithuanian	7684
Macedonian	7775
Malagasy	7771
Malay	7783
Malayalam	7776
Maltese	7784
Maori	7773
Marathi	7782
Moldavian	7779
Mongolian	7778
Nauru	7865
Nepali	7869
Norwegian	7879
Oriya	7982
Panjabi	8065
Pashto, Pushto	8083
Persian	7065
Polish	8076
Portuguese	8084
Quechua	8185
Rhaeto-Romance	8277
Rumanian	8279
Russian	8285
Samoan	8377
Sanskrit	8365
Scots Gaelic	7168
Serbian	8382
Serbo-Croatian	8372
Shona	8378
Sindhi	8368

Language	Code
Singhalese	8373
Slovak	8375
Slovenian	8376
Somali	8379
Spanish	6983
Sudanese	8385
Swahili	8387
Swedish	8386
Tagalog	8476
Tajik	8471
Tamil	8465
Tatar	8484
Telugu	8469
Thai	8472
Tibetan	6679
Tigrinya	8473
Tonga	8479
Turkish	8482
Turkmen	8475
Twi	8487
Ukrainian	8575
Urdu	8582
Uzbek	8590
Vietnamese	8673
Volapük	8679
Welsh	6789
Wolof	8779
Xhosa	8872
Yiddish	7473
Yoruba	8979
Zulu	9085

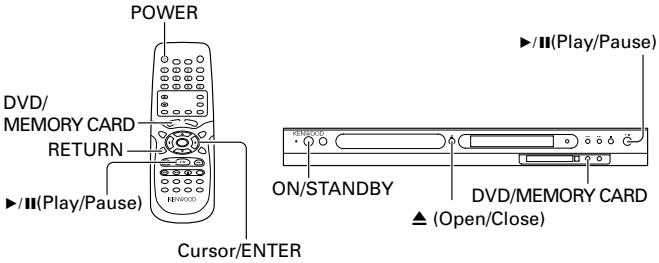
Basic play

Preparation

Turn on the POWER.



After pressing the POWER (ON/STANDBY) key, it takes time for a while that operation becomes posible.



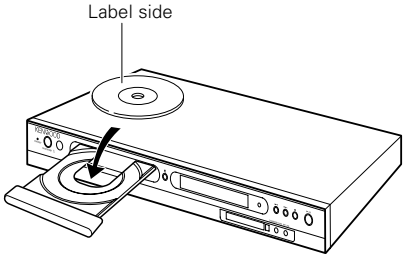
1 Load a disc.

MAIN UNIT

❶ **Open the tray.**

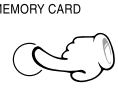
❷ **Place a disc.**

❸ **Close the tray.**



2 When the Input selector is not set to DVD, press the DVD/MEMORY CARD key.

MAIN UNIT

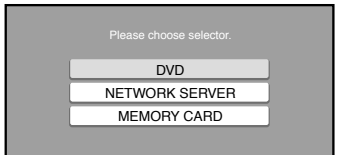


REMOTE

When the Input selector is set to DVD, "READING" is displayed, and the HOME screen is displayed when the data disc information has been recognized.

Instead of pressing the DVD/MEMORY CARD key, switching also can be done in the following way.

❶ **Press the RETURN key on the remote to display the SELECT INPUT menu.**

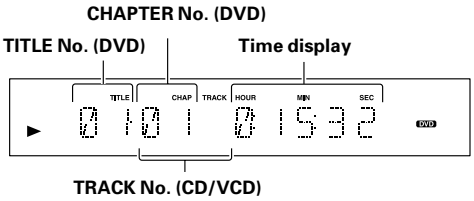


❷ **Press the Cursor up/down (▲/▼) keys on the remote to select DVD, then press the ENTER key.**

3 Start playback.

MAIN UNIT REMOTE

- When the ►/II key is pressed while the tray is open, the tray closes automatically, and then playback begins.
- Playback does not start when the Input selector is not set to DVD.



- Each press pauses and plays the disc alternately.

When a menu screen is recorded on the DVD disc, the menu screen will be displayed when the TOP MENU key or MENU key is pressed. At the menu screen, the menu can be selected by pressing the Cursor keys.

When a Disc Menu appears on the screen

In case of interactive DVDs, a Disc Menu appears on the screen. Then press **ENTER** to select specific menu you want to play by using Cursor keys.

CD DVD VCD To stop playback

MAIN UNIT REMOTE

CD DVD VCD To pause playback

MAIN UNIT REMOTE

CD DVD VCD Skipping chapters or tracks

MAIN UNIT REMOTE

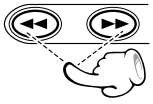
|◄◄ : To skip backward
►►| : To skip forward

- The chapter (or track) in the direction of the key pressed is skipped, and the selected chapter (or track) will be played from the beginning.
- When the |◄◄ key is pressed once during playback, the chapter (or track) being played will be played from the beginning.
- When the |◄◄ key is pressed repeatedly, playback starts from the start of the preceding chapter (or track).

CD DVD VCD Searching

During playback, press ◄◄ or ►► key

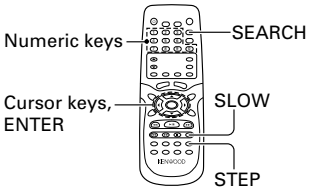
REMOTE



◄◄ : To search backward (REV)
►► : To search forward (FWD)

- Each press switches the searching speed.
  ① FWD 8 X (►► key) or REV 8 X (◄◄ key)
  ② FWD 16 X (►► key) or REV 16 X (◄◄ key) (only DVD and VCD)
  ③ FWD 32 X (►► key) or REV 32 X (◄◄key) (only DVD and VCD)
  ④ FWD 48 X (►► key) or REV 48 X (◄◄key) (only DVD and VCD)
- Press the ►/II key at any time to resume normal playback.

- You won't hear the sound (audio) on the DVD and VCD when you're using the Search, Step or Slow motion features.
- Playback features are not available during the opening credits of a movie.



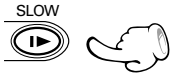
DVD VCD STEP (freeze frame and frame advance)

REMOTE

- During playback, press the **STEP** keys.
- Each time you press the keys, the picture advances one frame.
- Press the ►/II key to resume normal playback.

DVD VCD Slow motion playback

REMOTE

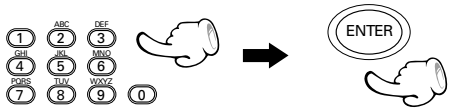


- During playback, press the **SLOW(I►)** keys.
- Each press switches the motion speed.
  - ① Slow 1/2 (I► key)
  - ② Slow 1/4 (I► key)
  - ③ Slow 1/8 (I► key)
- Press the ►/II key to resume normal playback.

DVD CD VCD Playback of a desired track, chapter or title

❶ Press the numeric keys, then press the ENTER key.

REMOTE



At the time of DVD-Video
- Title is selected with operation during stop.
- Chapter is selected with operation during playback.

At the time of CD, VCD (with P.B.C. OFF)
- Track is selected.

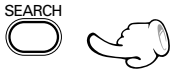
(Example)
To select track No. 23 : 2 3 ENTER

DVD CD VCD Playback of a requested title, chapter, track or time.

To start playing at any chosen title, chapter, track or time on the disc.

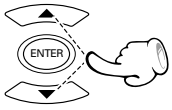
❶ During playback, press the SEARCH key on the remote.

REMOTE



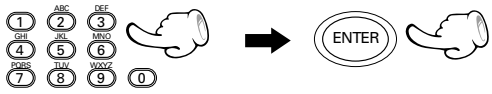
❷ Press Cursor up/down (▲/▼) keys on the remote to select the search item. (Time or Title/Chapter, etc.)

REMOTE



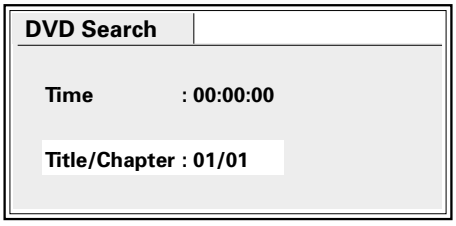
❸ Press the numeric keys to enter the time or number, then press the ENTER key.

REMOTE



- Playback starts from the selected time.

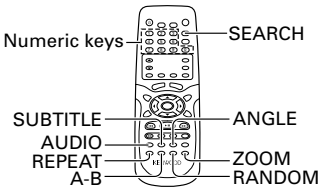
The disc being played back is paused.



Example of DVD video

- If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.

The SEARCH function does not work during disc stop and during RANDOM playback.



DVD Select Audio Language

If the disc was created with different language tracks, you can use the AUDIO key on the remote to temporarily change the DVD player's Audio setting.

During playback, press the AUDIO key on the remote.

The language is switched each time the AUDIO key is pressed.

- The display is switched off when no operation is performed for about 3 seconds.

Notes
The language feature only works if the disc was created with multiple audio tracks.

VCD Select Audio channel

You can choose to play back only the right or the left channel of audio recorded on the disc, or you can select stereo playback.

During VCD playback, press the AUDIO key on the remote.

Each time the key is pressed, the mode switches.

① **"AUDIO L" :** Left channel
② **"AUDIO R" :** Right channel
③ **"AUDIO L+R" :** Left and right channel
④ **"STEREO" :** Stereo

DVD Select Subtitle Language

You can change the Subtitle language while you're watching a disc (but only if the disc was created with subtitles).

During playback, press the SUBTITLE key on the remote.

The language is switched each time the SUBTITLE key is pressed.

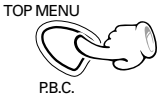
- The display is switched off when no operation is performed for about 3 seconds.

Notes
1. The subtitle feature only works if the disc was created with multiple subtitle tracks.
2. The subtitle menu of the disc appears in some discs.

VCD Use P.B.C.(Playback Control) function

Temporary on/off switching is possible by pressing the P.B.C. switch of the remote control unit. (→ 19)

During VCD playback, press the P.B.C./TOP MENU key on the remote.



Each time the key is pressed, the mode switches.

① **"PBC ON"**
② **"PBC OFF"**

Note
Changes with the P.B.C. key of the remote control unit temporarily changes the setting at the Setup menu. (→ 19)

DVD CD VCD Repeat play

Desired title, chapter, track or disc can be played back repeatedly.

At the time of DVD playback.

- "**REPEAT CHAPTER**" : Repeat the chapter that is playing.
- "**REPEAT TITLE**" : Repeat the title that is playing.

At the time of CD/VCD playback.

- "**REPEAT TRACK**": Repeat the track that is playing.
- "**REPEAT DISC**" : Repeat the disc that is playing.

During playback, press the REPEAT key on the remote.

Each time the key is pressed, the mode switches.

At the time of DVD playback. (On screen display)

① **"REPEAT CHAPTER"**
② **"REPEAT TITLE"**
③ **"REPEAT CLEAR"** (Repeat off)

At the time of VCD playback. (On screen display)

① **"REPEAT TRACK"**
② **"REPEAT DISC"**
③ **"REPEAT CLEAR"** (Repeat off)

At the time of CD playback. (Display of unit)

① **"REPEAT"** and **"1"** indicator light up : **REPEAT TRACK**
② **"REPEAT"** and **"ALL"** indicator light up : **REPEAT DISC**
③ Goes off : (Repeat off)

- To cancel repeat playback, press the **REPEAT** key and select **"REPEAT CLEAR"** or goes off "**REPEAT**" indicator.

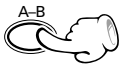
Note: If you press **SKIP** (►►I) once during Repeat Chapter or Track playback, the repeat playback cancels.

Note: The Repeat play function does not work for the P.B.C. mode of the VCD and for some DVDs. → 19

DVD A-B Repeat play

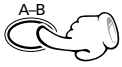
The A-B repeat function lets you mark a segment to repeat between the beginning "A" and the end "B" of the segment you want to replay.

❶ **Press the A-B key on the remote when you want to choose a scene as the beginning point.**



- "A POINT SET" display appears.

❷ **Press the A-B key again to choose a scene as the end point.**



- "B POINT SET" display appears and the repeat sequence begins.
- To cancel A-B Repeat playback, press the **A-B** key.

Note: A-B REPEAT functions only in one title.

CD Random play

The tracks of the disc are played in random order.

During playback, press the RANDOM key on the remote.

- RANDOM indicator lights up.
- Each time you press **RANDOM** key on the remote, random play would be on and off.
- By pressing ►►I key during random playback, the unit selects another track and resumes random playback.

To cancel random play

Press the RANDOM key to cancel random playback.

- RANDOM indicator goes off.

To repeat random play

During random playback, press the REPEAT key on the remote.

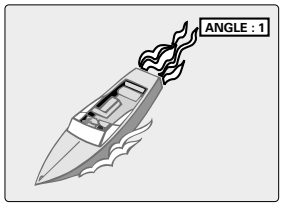
Each time you press **REPEAT** key on the remote, repeat play would be on and off.

Note:
- After all tracks of a disc have been played in random order, playback will stop.

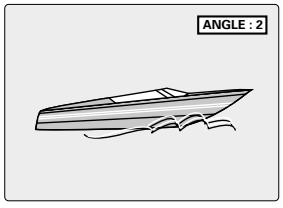
DVD Select Camera angle

Some disc contains multiple angles particular scene or sequence. If the disc only has one angle, this feature won't work.

❶ During playback, press the ANGLE key on the remote.



❷ Select the Camera angle by pressing the ANGLE key.



- The "ANGLE" display is switched off when no operation is performed for about 3 seconds.

DVD VCD Zoom function

Use zoom to enlarge the video image.

❶ During playback, press the ZOOM key on the remote.

Each time the key is pressed, the mode switches.

① **"ZOOM 01"**
② **"ZOOM 02"**
③ **"ZOOM 03"**
④ **"ZOOM OFF"**

Note: Zoom may not work on some DVDs.

DVD CD VCD On screen display

The on screen display contains many playback information. To see the on screen display, press ON SCREEN key on the remote while a content is playing.

Playing DVD

Title	:	01/01		Chapter :	02/16
Total Time	:	01:10:23			
Audio	:	01/02	ENG	Dolby Digital	
Subtitle	:	01/02	ENG		
Angle	:	01/01			

Title : Current title number
Chapter : Current chapter number
Total Time: Elapsed time of current title
Audio : Current audio stream number / total audio stream number, audio language and audio output mode
Subtitle : Current subtitle number / total subtitle number and Subtitle language
Angle : Angle number / total angle number

Playing CD

Track	:	02/12
Track Time	:	03:23
Total Time	:	45:38

Track : Current track number/total track number
Track Time : Elapsed time of current track
Total Time : Total time of current disc

Playing VCD

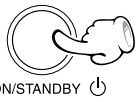
Track	:	01/12
Track Time	:	10:23
Audio	:	Stereo
PBC	:	OFF

Track : Current track number/total track number (displayed at the time of P.B.C. off mode)
Track Time : Elapsed time of current track (displayed at the time of P.B.C. off mode)
Audio : Current audio output mode (Stereo, L, R or L+R)
PBC : Displayed ON or OFF

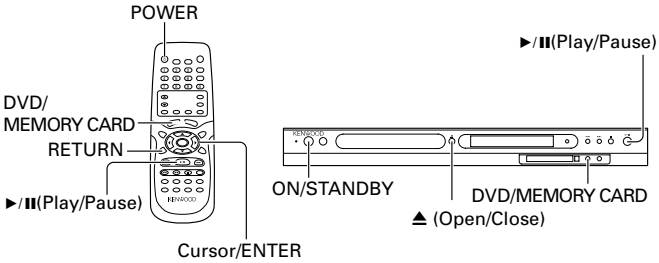
Basic play

Preparation

Turn on the POWER.



After pressing the POWER (ON/STANDBY) key, it takes time for a while that operation becomes posible.



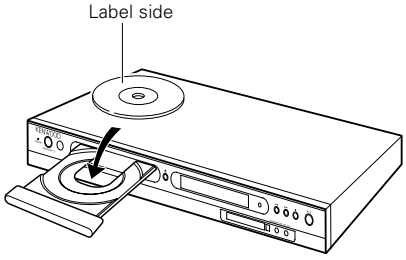
1 Load a disc.

MAIN UNIT

❶ **Open the tray.**

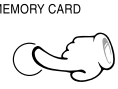
❷ **Place a disc.**

❸ **Close the tray.**



2 When the Input selector is not set to DVD, press the DVD/MEMORY CARD key.

MAIN UNIT

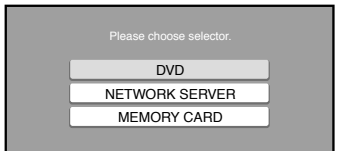


REMOTE

When the Input selector is set to DVD, "READING" is displayed, and the HOME screen is displayed when the data disc information has been recognized.

Instead of pressing the DVD/MEMORY CARD key, switching also can be done in the following way.

❶ **Press the RETURN key on the remote to display the SELECT INPUT menu.**



❷ **Press the Cursor up/down (▲/▼) keys on the remote to select DVD, then press the ENTER key.**

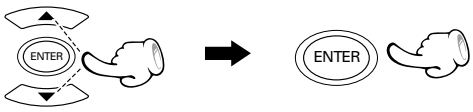
When saving files onto media

Ensure that the session is closed or finalized when data has been written on media. There are cases where media on which the session has not be closed or finalized will not be played back correctly with this equipment.

- **There are cases where the folder names and file names will not be displayed correctly depending on the software used to save them.**
- **Do not write folder or file types which cannot be played back with this equipment onto the media.**
- **It is recommended that ten or less sessions are stored when recording files onto a media.**
- **In case of a multisession disc, some time may be required until playback begins.**
- **There are cases where playback is not possible when MP3/WMA/JPEG files (CD-ROM) and music CD infomation (CD-DA) are saved on the same media.**

3 Select the files type

Press Cursor up/down (▲/▼) keys on the remote to select the files type (MOVIE, MUSIC or PHOTO), then press ENTER key.

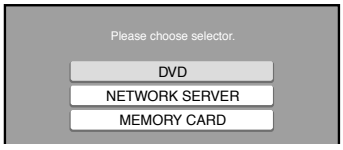


Selecting by pressing the MOVIE key, MUSIC key or PHOTO key of the remote also is possible.

HOME screen of Data disc

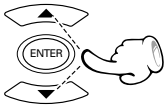
DVD display

- The display changes to the SETUP screen when the SETUP part on the screen is selected.
- Return to the preceding screen is made when the RETURN key is pressed.



4 Select a file

Press Cursor up/down (▲/▼) keys on the remote to select a file to play.



When a folder has been selected and the ENTER key is pressed, the next level in the folder is displayed.

Library screen example

The path to the current folder is displayed.

Return icon

RETURN icon : Return is made to the HOME screen or to the folder screen for the next-higher level.

HOME icon : Return is made to the HOME screen of the data disc.

BACK icon : When the **RETURN** key has been used during file playback to return to the library screen, the playback is paused. At this time, playback will be continued when the "BACK" icon is selected.

PATH icon : The screen showing the full path to the presently displayed folder is displayed.

To display the next page of the presently displayed part : Press the PAGE key.

To display the preceding page of the presently displayed part : Press the PAGE key.

5 Start playback

To stop playback

MAIN UNIT

REMOTE

To pause playback

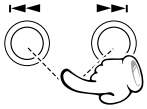
MAIN UNIT

REMOTE

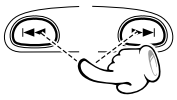
Skipping files MOVIE MUSIC PHOTO

During playback, press ⏮ or ⏭ key

MAIN UNIT



REMOTE



⏮ : To skip backward
⏭ : To skip forward

- The file in the direction of the key pressed is skipped, and the selected file will be played from the beginning.

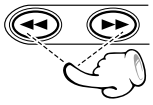
Note

- When the ⏮ key is pressed once during playback, the file being played will be played from the beginning.

Searching MOVIE MUSIC

During playback, press ◀◀ or ▶▶ key

REMOTE



◀◀ : To search backward (REV)
▶▶ : To search forward (FWD)

FWD ▶▶

- Press the ▶/II key at any time to resume normal playback.

Repeat play MOVIE MUSIC

Desired file or folder can be played back repeatedly.

- "**REPEAT FILE**" : Repeat the file that is playing.
- "**REPEAT FOLDER**" : Repeat the folder that is playing.

During playback, press the REPEAT key on the remote.

Each time the key is pressed, the mode switches.

MOVIE **(On screen display)**

① **"REPEAT FILE"**
② **"REPEAT FOLDER"**
③ **"REPEAT CLEAR"**

MUSIC **(Icon)**

① 1 : **REPEAT FILE**
② F : **REPEAT FOLDER**
③ Goes off : (Repeat off)

- To cancel repeat playback, press the **REPEAT** key and select **"REPEAT CLEAR"** or goes off "**REPEAT**" indicator.

Zoom function PHOTO (only for JPEG files)

Use zoom to enlarge the photo image.

❶ **During playback, press the ZOOM key on the remote.**

Each time the key is pressed, the mode switches.

×1.25 → ×1.5 → ×1.75 → ×2 → ×2.25 → ×2.5 → ×2.75 → ×3 → ×3.25 → ×3.5 → ×3.75 → ×4 → ZOOM OFF

Select Picture angle PHOTO (only for JPEG files)

It is possible to rotate a picture.

❶ **During playback, press the ANGLE key on the remote.**

Each time the key is pressed, the mode switches.

① **ANGLE 1** : normal direction.
② **ANGLE 2** : 90° rotation in clockwise direction.
③ **ANGLE 3** : 180° rotation in clockwise direction.
④ **ANGLE 4** : 270° rotation in clockwise direction.

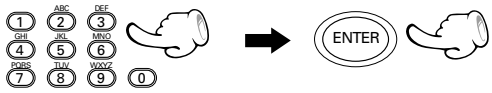
- The "ANGLE" display is switched off when no operation is performed for about 3 seconds.

Playback of a requested time. MOVIE MUSIC

To start playing at any chosen time on the disc.

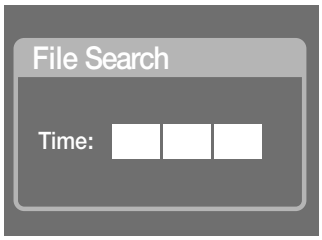
❶ **During playback, press the SEARCH key on the remote.**

❷ **Press the numeric keys to enter the time, then press the ENTER key.**



- Playback starts from the selected time.

The disc being played back is paused.



- If you enter the wrong numbers, press **CLEAR** to remove the numbers you entered. Then input the correct numbers.

Note

- The SEARCH function does not work during disc stop.

On screen display

The on screen display contains many playback information. To see the on screen display, press ON SCREEN key on the remote while a content is playing.

Playing MOVIE file

File Name	:	Movie/speed2.mpg
File Time	:	00:10:23
File Size	:	02:05:08 687,265: KB
Audio Quality	:	MP2 at 256kbps
Video Quality	:	MPEG2

File Name : Current file name with path name
File Time : Elapsed time of current file
File Size : Current file size (total time of current file, file size)
Audio Quality : Display audio Codec
Video Quality : Display video Codec
("–––" is displayed when identification is not possible.)

Playing MUSIC file

File Name	:	REF/MUSIC/0001.mp3
File Time	:	00:10:23
File Size	:	02:05:08 5,215 KB
Audio Quality	:	MP3 at 256kbps

File Name : Current file name with path name
File Time : Elapsed time of current file
File Size : Current file size (total time of current file, file size)
Audio Quality : Display audio Codec

Playing PHOTO

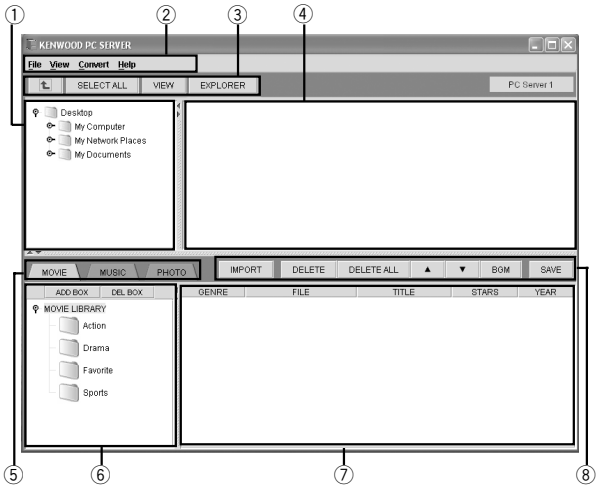
File Name	:	REF/PICTURE/000025.jpg
File Size	:	239 KB
Resolution	:	1280 X 1024
Rotate Angle	:	90 degrees

File Name : Current file name with path name
File Size : Current file size
Resolution : Resolution of current file
Rotate Angle : Rotate angle of current file

Double-click on shortcut icon on the desktop to launch the KENWOOD PC SERVER.

Do not attempt to launch KENWOOD PC SERVER more than once.

Names and functions of window components



① **Folder window:**
Displays the contents of the PC's hard disk drive in the directory tree format.

② **Menu bar:**

③ **[ ] button:**
Click on this button to move to the level directly above the level displayed in the list window.
[SELECT ALL] button:
Click on this button to select all the files and folders displayed in the list window.
[VIEW] button:
Click on this button to switch the display format the list window.
[EXPLORER] button:
Click on this button to open the Windows Explorer window showing the list of folders that can be displayed in the list window.
The display format of the Explorer window depends on the setup made for the OS.

④ **List window:**
Displays the contents of the folder selected in the folder window.
- The list window is used to display the contents (folders and files that can be imported using this software).

⑤ **[MOVIE] tag:**
Selects the [MOVIE LIBRARY].
[MUSIC] tag:
Selects the [MUSIC LIBRARY].
[PHOTO] tag:
Selects the [PHOTO LIBRARY].

⑥ **Library box:**
Displays the genre boxes and album boxes in the selected library in the directory tree format.

⑦ **Library list window:**
Displays the contents already imported in the selected library.

⑧ **[IMPORT] button:**
Click on this button to import the contents selected in the list window into the library.
[DELETE] button:
Click on this button to delete the files selected in the library list window.
[DELETE ALL] button:
Click on this button to clear all of the contents displayed in the library list window.
[▲] [▼] buttons:
Click on either button to move a file to change the order of playback of files. (Used only when the [MUSIC LIBRARY] or [PHOTO LIBRARY] is selected.)
[BGM] button:
Click on this button to link music with playback of a photo image. (Used only when the [PHOTO LIBRARY] is selected.)
[SAVE] button:
Click on this button to save the library list window data and let this unit recognize the contents of the corresponding library.

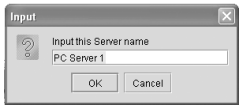
IMPORTANT: Before closing the KENWOOD PC SERVER software, be sure to save the changes you made otherwise they will be lost.

Operations using the menu bar

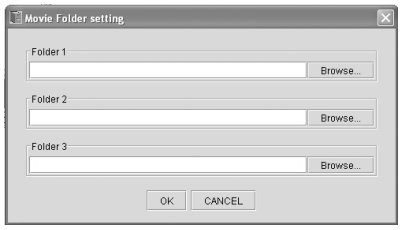
When one of the menu names is selected, a pull-down menu is displayed as described below.

When [File] is selected:

① **[Name Setting]**
The default server name is [PC Server 1]. The server name can be changed as desired.

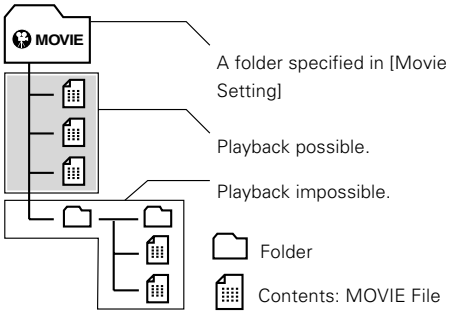


② **[Movie Folder Setting]**
[Music Folder Setting]
[Photo Folder Setting]
Specify the pathnames of the desired folders (up to three folders can be set per library). The files stored in the specified folders will be imported as "Temporary" files.
If you specify the folder for saving the recorded TV programs or that used usually as a library, its contents can be imported automatically into the server.



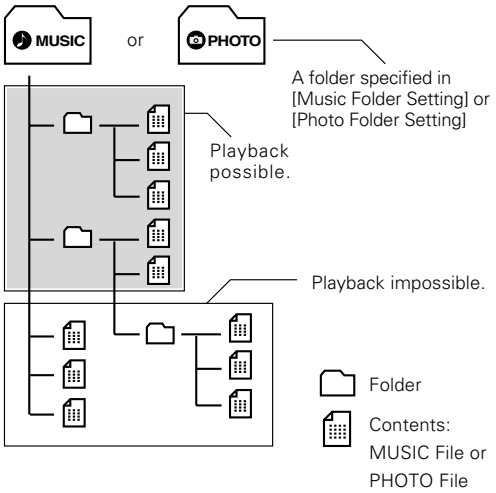
[Browse...]: Click on the [Browse] button to select the desired folder by following the directory.
After completing the folder setting, click on the [OK] button.

When MOVIE files are imported as "Temporary":
Only the contents in the highest layer below the specified folders are imported as "Temporary". (The files located immediately after the imported folders can be played back.)



Continued to next page

When MUSIC files or PHOTO files are imported as "Temporary":
Only the files stored in the folders in the highest layer below the specified folders are imported. (The files located in folders below the folders in the highest layer cannot be played back.)



- When importing PHOTO files, open the menu bar, select [File] ➡ [Save] and select [OK]. (The same operation is also possible by clicking on the [SAVE] button.)

③ **[Save]**
Saves the edited contents.

④ **[Exit]**
Exits from the software.

When [View] is selected:

① **[Large Icons]**
② **[Small Icons]**
③ **[List]**
④ **[Details]**
⑤ **[Renewal tree]**

When [Convert] is selected:
It is required to set the file copy operation for importing still image contents in the [PHOTO LIBRARY].

① **[High Quality]:**
Setting for viewing high-resolution image.

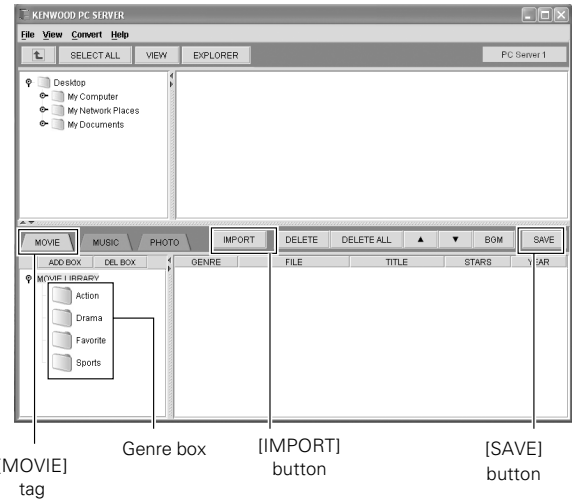
② **[Normal]:**
Standard setting.

③ **[Fast]:**
Setting for converting image into low-resolution image. This setting shortens the time required for import.

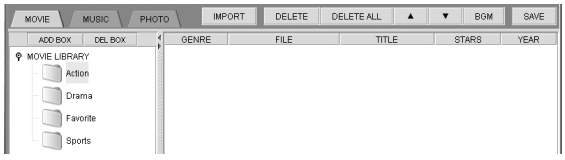
Import of contents

The contents of the PC can be imported in each library. To select a library, click on the [MOVIE], [MUSIC] or [PHOTO] tag.
For the data types that can be imported, see "**Playable files with this unit**". →5

Importing contents in the [MOVIE LIBRARY]

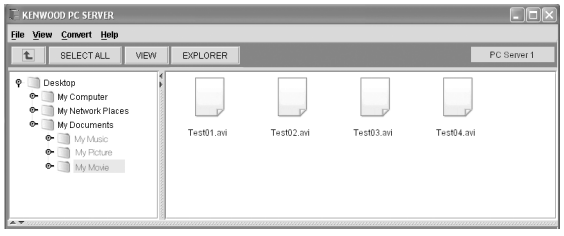


1 ***Select the genre box for the contents to be imported.***
The library box displays the genre boxes for the [MOVIE LIBRARY], such as the [Action], [Drama], [Favorite] and [Sports] boxes.



- Contents cannot be imported unless a genre box is selected.

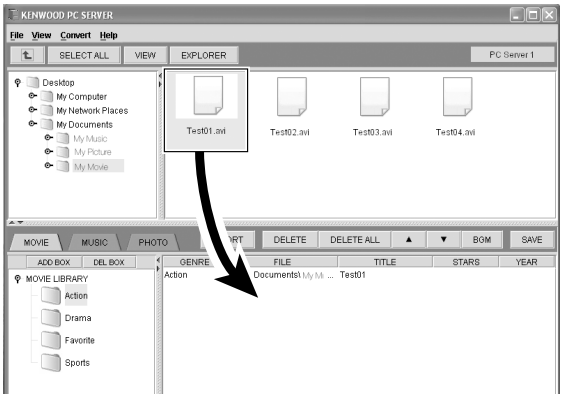
2 ***Select the movie contents to be imported in the folder window so that they are displayed in the list window.***



3 ***Drag & drop each content from the list window into the library list window.***

- The same operation is also possible selecting a content and then clicking on the [IMPORT] button.
- When a genre box is selected in step **1** to display the folders storing the contents to be imported in the list window and then the required folder is dragged & dropped into the library list window, only the contents in the hierarchical directly below the folder will be imported.

Continued to next page



- It is also possible to select multiple contents and drag & drop them together.

4 ***In the menu bar, select [File] ➡ [Save] and then click on [OK].***

- The same operation is also possible by clicking on the [SAVE] button.

Editing the [MOVIE LIBRARY] box

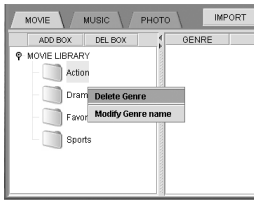
How to add a genre box:

Select the [MOVIE LIBRARY] and click the mouse right button or select [ADD BOX].

- Input the genre box name and click on the [OK] button to add the specified genre box.

How to delete a genre box:

Select the genre box to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Genre].



- A genre box can also be deleted by selecting the genre box name and then select [DEL BOX].

How to rename a genre box:

Select the genre box to be renamed and click the mouse right button. When a pull-down menu is displayed, select [Modify Genre name].

Editing the library list

How to delete a content:

Select the content to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Movie].

- A content can also be deleted by selecting the content name and then select [DELETE].

How to sort contents:

Click on an additional information tag in the library list window to sort the contents for the selected kind of information.

- This operation does not affect the list display on this unit.

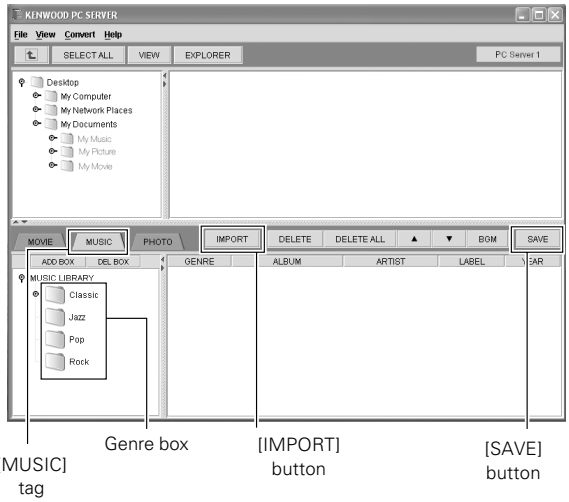
How to add additional information:

The additional information for each content displayed in the library list window ("TITLE", "STARS" and "YEAR") can be edited.

- Some characters may be unable to be displayed in the library list on this unit.

Importing contents in the [MUSIC LIBRARY]

Click on the [MUSIC] tag to select the [MUSIC LIBRARY].

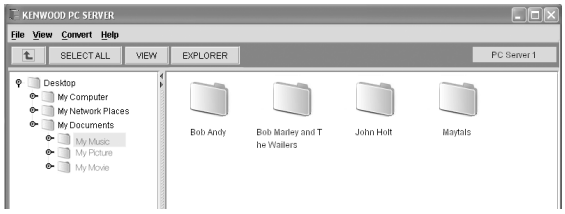


1 ***Select the genre box or album box for the contents to be imported.***

The library box displays the genre boxes for the [MUSIC LIBRARY], such as [Classic], [Jazz], [Pop] and [Rock] boxes. Each genre box can have album boxes in the lower level.

- Contents cannot be imported unless a genre box or album box is selected.

2 ***Select the music contents to be imported in the folder window so that they are displayed in the list window.***



3 ***Drag & drop each content from the list window into the library list window.***

- The same operation is also possible selecting a content and then clicking on the [IMPORT] button.

Continued to next page

Operation of import by selecting a folder:

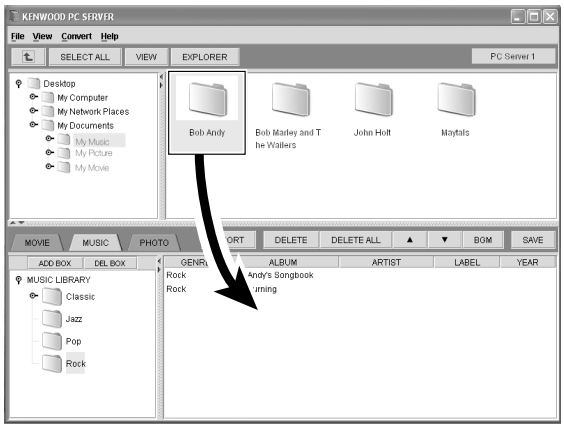
When a genre box is selected in the library box (field on the bottom left), a new album box is created and the contents in the folder selected in the library list window (field on the top right) are imported in the album box. (At this time, the album box is given the same name as the folder.)

When an album box is selected in the library box (field on the bottom left), the contents in the folder selected in the library list window (field on the top right) are imported in the album box.

Operation of import by selecting files:

When a genre box is selected in the library box (field on the bottom left), a new album box is created and the content(s) selected in the library list window (field on the top right) are imported in the album box. (At this time, the album box is given the same name as the folder.)

When an album box is selected in the library box (field on the bottom left), the content(s) selected in the library list window (field on the top right) are imported in the album box. (One or multiple contents can be selected and imported.)



4 ***In the menu bar, select [File] ➡ [Save] and then click on [OK].***

- The same operation is also possible by clicking on the [SAVE] button.

Editing the [MUSIC LIBRARY] box

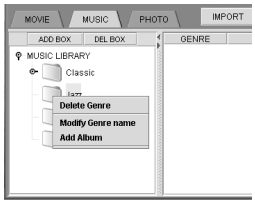
How to add a genre box:

Select the [MUSIC LIBRARY] and click the mouse right button or select [ADD BOX].

- Input the genre box name and click on the [OK] button to add the specified genre box.

How to delete a genre box:

Select the genre box to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Genre].



- A genre box can also be deleted by selecting the genre box name and then select [DEL BOX].

How to rename a genre box:

Select the genre box to be renamed and click the mouse right button. When a pull-down menu is displayed, select [Modify Genre name].

How to add an album box:

Select the genre box to which you want to add an album box and click the mouse right button. When a pull-down menu is displayed, select [Add Album].

- Input the album box name and click on the [OK] button to add the specified album box.

How to rename an album box:

Select the album box to be renamed and click the mouse right button. When a pull-down menu is displayed, select [Modify Album name].

How to delete an album box:

Select the album box to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Album].

- An album box can also be deleted by selecting the album box name and then select [DEL BOX].

Editing the library list

How to delete a content:

Select the content to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Music].

- A content can also be deleted by selecting the content name and then select [DELETE].

How to sort contents:

Click on an additional information tag in the library list window to sort the contents for the selected kind of information.

- This operation does not affect the list displayed on this unit.

How to change the order of playback:

Select a content in the library list window and click on the [▲] or [▼] button to move its position up or down.

How to add additional information:

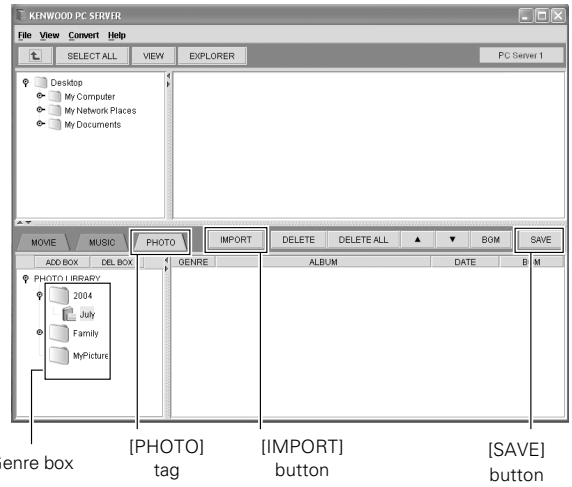
The additional information for each album displayed in the library list window ("ALBUM", "ARTIST", "LABEL", "YEAR" and "TITLE") can be edited.

- Some characters may be unable to be displayed in the library list on this unit.

Deleting a music content linked as "BGM" causes the background music link setting to be canceled.

Importing contents in the [PHOTO LIBRARY]

Click on the [PHOTO] tag to select the [PHOTO LIBRARY].

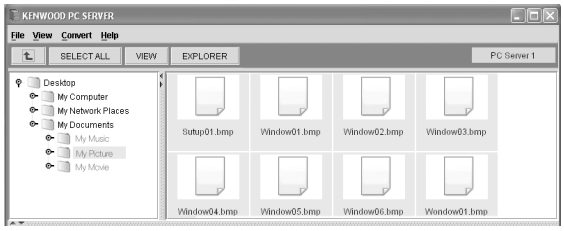


1 ***Select the genre box or album box for the contents to be imported.***

The library box displays the genre boxes for the [PHOTO LIBRARY], such as [2004], [Family] and [MyPicture] boxes. Each genre box can have album boxes in the lower level.

- Contents cannot be imported unless a genre box or album box is selected.

2 ***Select the photo contents to be imported in the folder window so that they are displayed in the list window.***



3 ***Drag & drop each content from the list window into the library list window.***

- The same operation is also possible selecting a content and then clicking on the [IMPORT] button.

Operation of import by selecting a folder:

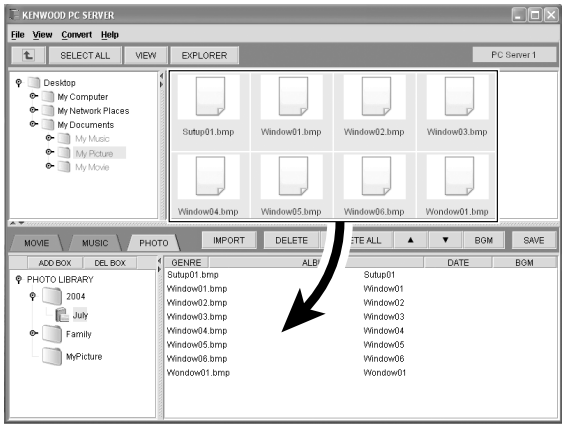
When a genre box is selected in the library box (field on the bottom left), a new album box is created and the contents in the folder selected in the library list window (field on the top right) are imported in the album box. (At this time, the album box is given the same name as the folder.)

When an album box is selected in the library box (field on the bottom left), the contents in the folder selected in the library list window (field on the top right) are imported in the album box.

Operation of import by selecting files:

When a genre box is selected in the library box (field on the bottom left), a new album box is created and the content(s) selected in the library list window (field on the top right) are imported in the album box. (At this time, the album box is given the same name as the folder.)

When an album box is selected in the library box (field on the bottom left), the content(s) selected in the library list window (field on the top right) are imported in the album box. (One or multiple contents can be selected and imported.)



- When still-image data is imported as a content, a new file is created automatically by converting the size of the original file.

  The user is therefore recommended to take care about the remaining capacity in the hard disk drive. It should also be noted that the processing may take time depending on the PC performance.
- When photographic image data in a format other than JPEG is imported, its copy file is converted into the JPEG format and resized.

4 ***In the menu bar, select [File] ➡ [Save] and then click on [OK].***

- The same operation is also possible by clicking on the [SAVE] button.

Editing the [PHOTO LIBRARY] box

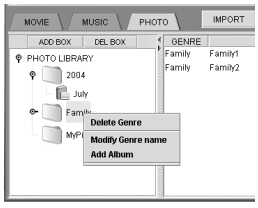
How to add a genre box:

Select the [PHOTO LIBRARY] and click the mouse right button or select [ADD BOX].

- Input the genre box name and click on the [OK] button to add the specified genre box.

How to delete a genre box:

Select the genre box to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Genre].



- A genre box can also be deleted by selecting the genre box name and then select [DEL BOX].

How to rename a genre box:

Select the genre box to be renamed and click the mouse right button. When a pull-down menu is displayed, select [Modify Genre name].

Continued to next page

How to add an album box:

Select the genre box to which you want to add an album box click the mouse right button. When a pull-down menu is displayed, select [Add Album].

- Input the album box name and click on the [OK] button to add the specified album box.

How to rename a album box:

Select the album box to be renamed and click the mouse right button. When a pull-down menu is displayed, select [Modify Album name].

How to delete an album box:

Select the album box to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Album].

- An album box can also be deleted by selecting the album box name and then select [DEL BOX].

Editing the library list

How to delete a content:

Select the content to be deleted and click the mouse right button. When a pull-down menu is displayed, select [Delete Photo].

- A content can also be deleted by selecting the content name and then select [DELETE].

How to sort contents:

Click on an additional information tag in the library list window to sort the contents for the selected kind of information.

- This operation does not affect the list display on this unit.

How to change the order of playback:

Select a content in the library list window and click on the [▲] or [▼] button to move its position up or down.

How to add additional information:

The additional information for each content displayed in the library list window ("ALBUM", "DATE", "BGM" and "TITLE"") can be edited.

- Some characters may be unable to be displayed in the library list on this unit.

Linking BGM (BackGround Music) for SLIDE SHOW

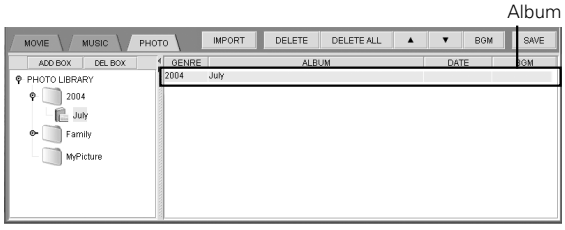
Contents in the [MUSIC LIBRARY] can be linked to the contents in the [PHOTO LIBRARY].

When the photo images are played in slide show on this unit, the linked music files are played with the photo images as their background music.

- The photo image files and music files to be linked should be imported in their libraries in advance. The background music links a music content to an album box in the [PHOTO LIBRARY].

❶ Click on the [PHOTO] tag to select the [PHOTO LIBRARY].

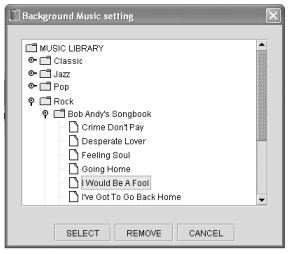
❷ In the library list window, select the album to be linked as the background music source.



- No background music can be linked when no album is selected in the [PHOTO LIBRARY].

❸ Click on the [BGM] button.

The [Background Music setting] dialog is displayed.



- Displays the contents imported in the [MUSIC LIBRARY].

❹ Select the music contents to be linked as the background music for the album.

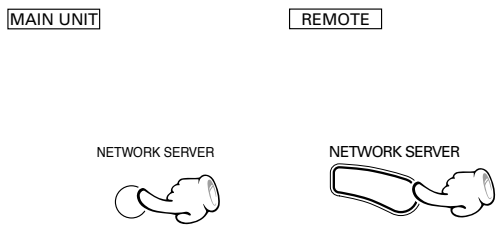
- The music contents linked as background music are played repeatedly until the end of the slide show.

❺ In the menu bar, select [File] ➡ [Save] and then click on [OK].

- The same operation is also possible by clicking on the [SAVE] button.

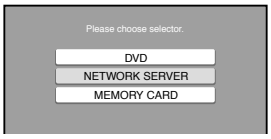
Perform editing or deleting of contents with a KENWOOD PC SERVER before connecting to a NETWORK SERVER.

1 When the Input selector is not set to NETWORK SERVER, press the NETWORK SERVER key.



Instead of pressing the NETWORK SERVER key, switching also can be done in the following way.

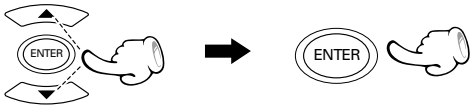
❶ Press the RETURN key on the remote to display the SELECT INPUT menu.

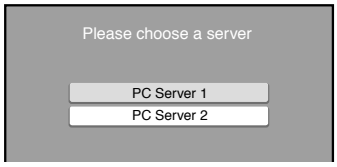


❷ Press the Cursor up/down (▲/▼) keys on the remote to select NETWORK SERVER, then press the ENTER key.

2 Select a server

Press Cursor up/down (▲/▼) keys on the remote to select a desired server, then press ENTER key.





The following is displayed when the server cannot be detected.

SETUP
Switches to the SETUP screen.

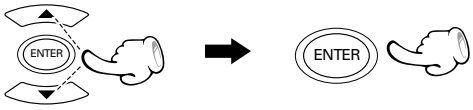
CLOSE
The server detection is cancelled.

RETRY
Server detection is performed again.

- **Connection to the NETWORK SERVER may take some time.**
- **Up to 16 PC servers can be logged in.**

3 Select the files type

Press Cursor up/down (▲/▼) keys on the remote to select the files type (MOVIE, MUSIC or PHOTO), then press ENTER key.



Selecting by pressing the MOVIE key, MUSIC key or PHOTO key of the remote is also possible.

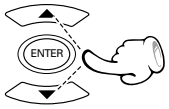
Home screen of NETWORK SERVER.

NET LINK display

- The display changes to the SETUP screen when the SETUP part on the screen is selected.
- Return to the preceding screen is made when the **RETURN** key is pressed.

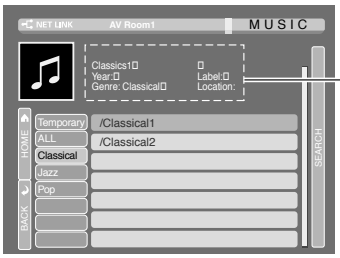
4 Select a file

Press Cursor up/down (▲/▼) keys on the remote to select a file name.



When a folder has been selected and the ENTER key is pressed, the next level in the folder is displayed.

Library screen example



Text information

HOME icon : Return is made to the HOME screen of the NETWORK SERVER.

BACK icon : When the **RETURN** key has been used during file playback to return to the library screen, the playback is paused. At this time, playback will be continued when the "BACK" icon is selected.

SEARCH icon : Select this icon to search a file.

To display the next page of the presently displayed part : Press the PAGE ▼ key.

To display the preceding page of the presently displayed part : Press the PAGE ▲ key.

5 Start playback

REMOTE

MAIN UNIT

REMOTE

MOVIE MUSIC

- Each press pauses and plays the file alternately.

To stop playback

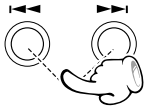
MAIN UNIT

REMOTE

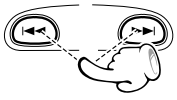
Skipping files MOVIE MUSIC PHOTO

During playback, press ⏮ or ⏭ key

MAIN UNIT



REMOTE



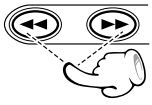
⏮ : To skip backward
⏭ : To skip forward

- The file in the direction of the key pressed is skipped, and the selected file will be played from the beginning.

Searching MOVIE MUSIC

During playback, press ◄◄ or ►► key

REMOTE



◄◄ : To search backward (REV)
►► : To search forward (FWD)

FWD ►►

- Press the ►/II key at any time to resume normal playback.

Repeat play MOVIE MUSIC

Desired file, folder or genre can be played back repeatedly.

- **"REPEAT TITLE"** : Repeat a title that is playing. (only for MOVIE)
- **"REPEAT TRACK"** : Repeat a track that is playing. (only for MUSIC)
- **"REPEAT ALBUM"** : Repeat an album box that is playing. (only for MUSIC)
- **"REPEAT GENRE"** : Repeat a GENRE box that is playing.

During playback, press the REPEAT key on the remote.

Each time the key is pressed, the mode switches.

MOVIE **(On screen display)**

① **"REPEAT TITLE"**
② **"REPEAT GENRE"**
③ **"REPEAT CLEAR"** (Repeat off)

MUSIC **(Icon)**

① 1 ⊂⊃: **REPEAT TRACK**
② A ⊂⊃: **REPEAT ALBUM**
③ G ⊂⊃: **REPEAT GENRE**
④ Goes off : (Repeat off)

- To cancel repeat playback, press the **REPEAT** key and select **"REPEAT CLEAR"** or goes off "**REPEAT**" indicator.

Note: If you press **SKIP** (►►I) once during "**REPEAT FILE**" playback, the repeat playback cancels.

Zoom function PHOTO

Use zoom to enlarge the photo image.

❶ **During playback, press the ZOOM key on the remote.**

Each time the key is pressed, the mode switches.

×1.25 → ×1.5 → ×1.75 → ×2 → ×2.25 → ×2.5 → ×2.75 → ×3 → ×3.25 → ×3.5 → ×3.75 → ×4 → ZOOM OFF

Note: Zoom may not work on some files.

Select picture angle PHOTO

It is possible to rotating a picture.

❶ **During playback, press the ANGLE key on the remote.**

Each time the key is pressed, the mode switches.

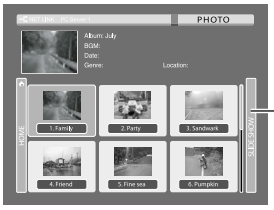
① **ANGLE 1** : normal direction.
② **ANGLE 2** : 90° rotation in clockwise direction.
③ **ANGLE 3** :180° rotation in clockwise direction.
④ **ANGLE 4** :270° rotation in clockwise direction.

- The "ANGLE" display is switched off when no operation is performed for about 3 seconds.

Slide show PHOTO

The Slide show function can be used to switch photo images automatically from one file to the next.

❶ **Select the SLIDE SHOW icon, then press the ENTER key.**



SLIDE SHOW icon

❷ **Select an ALBUM to start slide show, then press the ENTER key.**

Text Information

MOVIE

① Rome_1
② Stars: Audrey
③ Year: 2004 Time: ⑤
④ Genre: Drama Location: ⑥

① Title
② Stars
③ Year ⑤ Not used with this unit.
④ Genre ⑥ Not used with this unit.

MUSIC

① MJQ
② Album: MJQ best
③ Year: 1964 Label: ⑤
④ Genre: JAZZ Location: ⑥

① Artist
② Album
③ Year ⑤ Label
④ Genre ⑥ Not used with this unit.

PHOTO

① Travel_1
② BGM:
③ Date: 2004.08.16
④ Genre: Location: ⑤

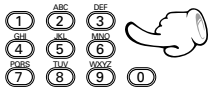
① Album
② BGM
③ Date
④ Genre ⑤ Not used with this unit.

Playback of a requested file.

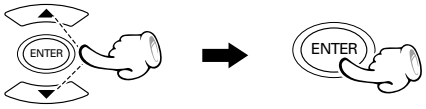
To start playing at any chosen file.

❶ **Press the SEARCH key on the remote during display of the library screen.**

❷ **Use the numeric keys (character input keys) on the remote to enter the first 3 characters of the file (MOVIE; TITLE, MUSIC; TRACK, PHOTO; ALBUM) to be searched for.**



❸ **Press Cursor up/down (▲/▼) keys on the remote to select the SEARCH icon, then press the ENTER key.**



The search screen is displayed on the library screen.

Numbers and upper- and lower-case letters of the alphabet can be entered.

Example: Switching as shown below is done when the key "2" is pressed:

→ A→B→C→a→b→c→2

To enter "Ken":
Press the 5 key 2 times.
Press the 3 key 5 times.
Press the 6 key 5 times.

- If you enter the wrong character, press **CLEAR** key to remove a character you entered. Then input the correct character.

The corresponding file names in the library are displayed in the column at the very top.
If there are no corresponding characters, the files with the names closest in alphabetic order are displayed in the column at the very top.

The possible input characters are shown in the following table.

Key	Characters
1	1
2	A → B → C → a → b → c → 2 → A → ....
3	D → E → F → d → e → f → 3 → D → ....
4	G → H → I → g → h → i → 4 → G → ....
5	J → K → L → j → k → l → 5 → J → ....
6	M → N → O → m → n → o → 6 → M → ....
7	P → Q → R → S → p → q → r → s → 7 → P → ....
8	T → U → V → t → u → v → 8 → T → ....
9	W → X → Y → Z → w → x → y → z → 9 → W → ....
0	0

Playback of MEMORY CARD

- **Please refer to page 46 for the memory cards and the PC card adapters which can be used with this unit.**
- **Only JPEG files can be played back.**

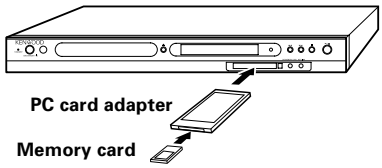
1 Insert a Memory card

❶ Turn off the POWER

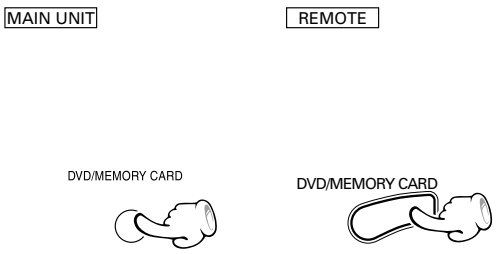
❷ Insert a Memory card

❸ Turn on the POWER

- Always set the power to **OFF** (STANDBY) before inserting or ejecting a card.
- To eject a card, press the **EJECT** button and remove the card.

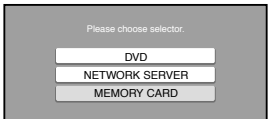


2 When the Input selector is not set to MEMORY CARD, press the DVD/MEMORY CARD key.



Instead of pressing the DVD/MEMORY CARD key, switching also can be done in the following way.

❶ Press the RETURN key on the remote to display the SELECT INPUT menu.



❷ Press the Cursor up/down (▲/▼) keys on the remote to select MEMORY CARD, then press the ENTER key.

3 Select the files type

Select PHOTO, then press ENTER key.

Selecting by pressing the PHOTO key of the remote also is possible.

Home screen of MEMORY CARD.

MEMORY CARD display

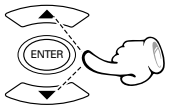
Note

When no memory card or PC card adapter is inserted, or when the insertion is not sufficient, the unit will not switch to the HOME screen. In such a case, change to power off (STANDBY) state and insert the memory card or the PC card adapter again.

- The display changes to the SETUP screen when the SETUP part on the screen is selected.
- Return to the preceding screen is made when the **RETURN** key is pressed.

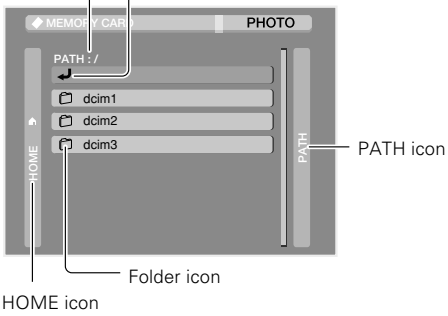
4 Select a folder

Press Cursor up/down (▲/▼) keys on the remote to select a folder to play.



When a folder has been selected and the ENTER key is pressed, the next level in the folder is displayed.

The path to the current folder is displayed.



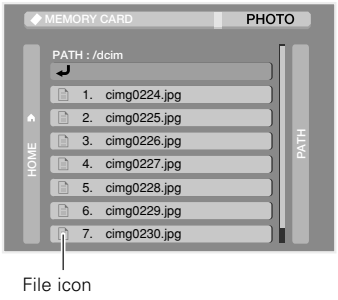
RETURN icon : Return is made to the HOME screen or to the folder screen for the next-higher level.

HOME icon : Return is made to the HOME screen of the MEMORY CARD.

PATH icon : The screen showing the full path to the presently displayed folder is displayed.

To display the next page of the presently displayed part : Press the PAGE ▼ key.

To display the preceding page of the presently displayed part : Press the PAGE ▲ key.



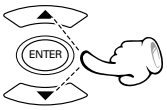
Notes

- Depending on the image file size, some time may be required until the image is displayed.
- If playback does not start, try to switch the power off and on again.

5 Press the ENTER key

6 Start playback

Press Cursor up/down (▲/▼) keys on the remote to select a file to play.



To stop playback

Please refer to page 46 for the memory cards and the memory card adapters which can be used with this unit.

Note

The system may stop operation when cards other than the above or unrelated cards are inserted. In such case, switch off the power, remove the card, and then switch on the power again.

Skipping files

During playback, press ⏮ or ⏭ key

MAIN UNIT REMOTE

⏮ : To skip backward
⏭ : To skip forward

Zoom function

Use zoom to enlarge the photo image.

During playback, press the ZOOM key on the remote.

Each time the key is pressed, the mode switches.

×1.25 → ×1.5 → ×1.75 → ×2 → ×2.25 → ×2.5 → ×2.75 → ×3 → ×3.25 → ×3.5 → ×3.75 → ×4 → ZOOM OFF

Select picture angle

It is possible to rotate a picture.

During playback, press the ANGLE key on the remote.

Each time the key is pressed, the mode switches.

① **ANGLE 1** : normal direction.
② **ANGLE 2** : 90° rotation in clockwise direction.
③ **ANGLE 3** : 180° rotation in clockwise direction.
④ **ANGLE 4** : 270° rotation in clockwise direction.

- The "ANGLE" display is switched off when no operation is performed for about 3 seconds.

On screen display

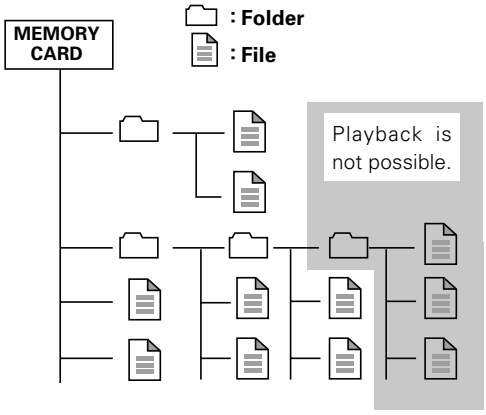
The on screen display contains many playback information. To see the on screen display, press ON SCREEN key on the remote while a content is playing.

File Name	:	/dcim1/kenwood/001.jpg
File Size	:	239 KB
Resolution	:	1280 X 1024
Rotate Angle	:	90 degrees

File Name : Current file name with path name
File Size : Current file size
Resolution : Resolution of current file
Rotate Angle : Rotate angle of current file

Layers which can be played back

Files in folders within the second layer can be played back.



Memory cards and PC card adaptors for which operation with this unit has been confirmed

Memory Cards

Memory Type	Vender	Model No	Comment
Compact Flash	SanDisk	SDCFB-32-801	32MB
	TDK	TC064WA	64MB
	I-O DATA	CFS-64MX	64MB
	SanDisk	SDCFB-128-801	128MB
	I-O DATA	CFS-256MX	256MB
Memory Stick	SONY	MSA-64A	64MB
	I-O DATA	MSR-64M/U	64MB
	SanDisk	SDMS-64	64MB
	SONY	MSA-128A	128MB
	SanDisk	SDMS-128-824	128MB
SD	Panasonic	RP-SD064BL1A	64MB
	LEXAR	SD-128-231	128MB
	HAGIWARA SYS-COM	HPC-SD128MY	128MB
	TDK	TS128VS	128MB
	SanDisk	SDSDB-256-801	256MB
Smart Media	SanDisk	SDSM-128-801	128MB
Multi Media Card	SanDisk	SDMB-64-801	64MB

PC Card adaptor (PCMCIA PC card type II)

Memory Type	Vender	Model No
Compact Flash Adaptor	SanDisk	SDCF-03A
	I-O DATA	PCCF-ADP
4 in 1 Adaptor	Sitecom	PC-200
	SanDisk	SDDR-65

Notes

- Playback is not assured with memory cards and PC card adaptors other than the above.
- Even with the above memory cards and PC card adaptors, playback may not be possible according to the recording condition.
- Depending on the contents, some time may be required until playback occurs.
- Depending on the contents, the screen display may not be clear.
- Please format the memory card with the digital camera you are using. Playback of memory cards formatted with a PC is not possible.

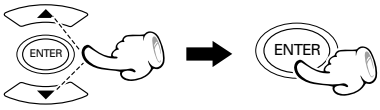
Firmware Update

For a firmware update, first connect to the PC server (on which the updated file has been downloaded) and this unit via LAN. Exit from all software that is currentry running.
Do not perform any other operations while performing the operations of steps ❶ to ❻, but perform the steps one after the other.

❶ Turn on the power.

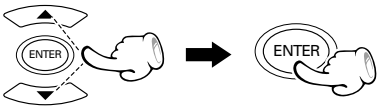
❷ Press the NETWORK SERVER key to enter the NETWORK SERVER mode.

❸ Select the PC server where the Firmware Update program has been downloaded.

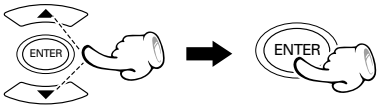


❹ Press the SETUP key.

❺ Select "Firmware Update" in the MAIN Setup menu, then press the ENTER key.



❻ Select "UPDATE" on the TV screen, then press the ENTER key.

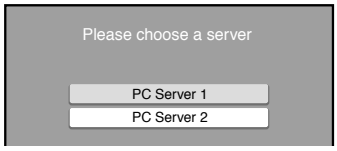


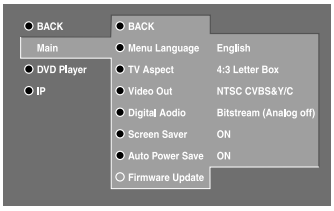
To cancel the update operation, select "**CANCEL**".

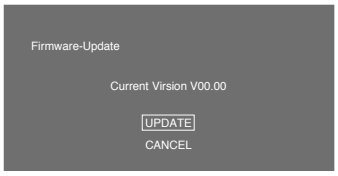
❼ After the indication "UPDATE OK" appears, restart this unit to make the update effective.

IMPORTANT: Be sure to update the KENWOOD PC SERVER software to the latest version before updating the Firmware. → 16

The latest information and procedure to update your DVF-N7080 Firmware can be found in the "Technical Support" / "Service" section on the website of your resident country (if necessary you can find a link to your local website on www.kenwood.com <http://www.kenwood.com>).







- The update starts.
- During update, don't turn off this unit, PC and router, nor extract the ethernet cable.
- When the update has been completed, "UPDATE OK" is displayed.
- If the update failed, "ERROR" is displayed on the screen.
- The update may fail and stop operating due to possible PC, network environment or power failure during the update process. In that case please remove the power cord from the wall socket immediately and consult your dealer.

- It takes approx. 10 seconds until the power is switched off.

What appears to be a malfunction may not always be serious. If your unit should not perform as expected, consult the table below to see if the problem can be corrected before seeking help from your dealer or service representative.

Resetting

Erroneous operation (operation impossible, wrong display indication, etc.) may occur when a connection cable is connected or disconnected while the power is on or because of an external influence. In such a case, try the following procedure.

Soft reset

Press the ON/STANDBY key to switch to standby status. Wait for approx. 10 seconds and then press the ON/STANDBY key again to switch on the power.

- **When a memory card has been inserted, press the ON/STANDBY key, remove the card after standby status has been reached, and then press the ON/STANDBY key again to switch on the power.**
- **The contents of the settings registered by you remain as they are.**

Return to the factory shipping status

Bring the unit to STANDBY status and press the ON/STANDBY key while keeping the ■ (STOP) key pressed.

- **Please note that the contents of the settings registered by you will be deleted.**

DVD player part

Symptom	Cause	Solution
Playback does not start when the ► key is pressed.	• There is no disc in the player. • There are no signals recorded on the side of the disc being played. • The selector is not set to DVD.	• Load a disc and press the ► key. • Turn the disc over and properly place it on the disc tray. • Switch the selector to DVD. →22
Playback starts but no image/sound is seen heard.	• The TV is not turned on. • The connection cords are not properly connected. • The video format is not matched to the TV type.	• Turn on the TV. • Properly reconnect the connection cords. →10 →11 • Select the video format put out to the VIDEO OUT terminal. →8 →18
The picture is disrupted when the image is fast forwarded or fast reversed.	• The picture is slightly disrupted during fast forward and fast reverse operations.	• This is not a malfunction.
No sound is heard.	• The audio output cords are not properly connected. • The volume control of the TV or amplifier is not adjusted properly. • The player is in a special playback mode. • The Digital Audio output is "Bitstream" and there is no Analog Audio output.	• Properly connect the audio cords. →10 →11 • Set the sound volume to an appropriate level. • Press the ►/II (play/pause) key to resume normal playback mode. • Switch the "Digital Audio" setting of "Main" on the Setup menu screen to "PCM" or connect to the DIGITAL AUDIO terminal.
No picture is displayed.	• The video format is not matched to the TV type.	• Select the video format put out to the VIDEO OUT terminal. →8 →18
The picture does not look good or the picture/sound quality is poor.	• A nearby device is generating noise. • The disc is dirty. • The disc is damaged. • There is condensation on the optical lens.	• Separate this unit as far as possible from the device you think is generating the noise. • Refer to the "**Disc handling precautions**" section and wipe dirt from the disc. →9 • Use a new disc. • Refer to the "**Caution on condensation**" section and evaporate the condensation. →9
It takes a while for the disc to start playing.	• Time is required for the unit to detect the disc type and size and for the rotation of the motor to stabilize. This is not a malfunction.	• Approximately 10 to 20 seconds are required for a disc to start playing, although the time differs depending on the disc.
The tray opens automatically.	• The disc is not placed horizontally.	• Properly place the disc on the tray.
The top and bottom of the screen cannot be seen, or the screen becomes black-and-white.	• The video format of the disc being played does not match that of the connected TV monitor.	• Refer to the "**Video formats**" section ,and use a disc with the appropriate video format for your TV or a TV with the appropriate video format for the disc. →8

DVD player part

Symptom	Cause	Solution
The subtitle is not displayed.	● The DVD disc being played does not contain the recording of subtitles. ● The subtitle mode is set to off.	● The subtitle cannot be displayed when the DVD disc being played does not contain the recording of subtitles. ● Press the **SUBTITLE** key to switch on the subtitle mode. → 25
The voice (or subtitle) language cannot be changed.	● The DVD disc being played does not contain the recording of more than one audio (or subtitle) language.	● The voice (or subtitle) language cannot be changed when the DVD disc being played does not contain the recording of more than one voice (or subtitle) language.
The viewing angle cannot be changed.	● The DVD disc being played does not contain the recording of more than one angle. ● You are attempting to switch the angle in a DVD section where more than one angle is not recorded.	● The viewing angle cannot be changed when the DVD disc being played does not contain the recording of more than one angle. ● More than one viewing angle may be recorded only in limited sections in a disc.
Playback will not start even after a title is selected.	● A viewing restriction (**PARENTAL)** has been set for the disc.	● Check the viewing restriction level (**PARENTAL**) setting.
The parental level cannot be changed.	● You have forgotten the password.	● Set the initial setup to the factory setup with the following procedure. Bring the unit to STANDBY status and press the **ON/STANDBY** key while keeping the ■ (STOP) key pressed.
The voice or subtitle language selected in the initial setting is not played.	● The DVD disc being played does not contain the recording of the selected voice or subtitle language. ● The initial playback language is specified by the DVD disc. ● The DVD specifications provide for selection at the menu screen.	● Use a DVD disc containing the recording of the selected voice or subtitle language. → 25 ● Press **SUBTITLE** or the **AUDIO** key on the remote and select the language. ● Select at the menu screen of the disc.
Menu screen messages are not shown in the desired language.	● The menu language function (MENU) is not set to desired language.	● Select disc menu language. → 19
A VCD cannot be played using menus.	● The VCD disc being played is not compatible with **P.B.C.**	● Menu playback is available only with VCD discs recorded with **P.B.C.**

Remote control unit

Symptom	Cause	Solution
Remote control operation is not possible.	● Batteries are exhausted. ● The remote control is too far away from the system, the controlling angle is deviated or there is an obstacle in between.	● Replace with new batteries. ● Operate the unit inside the remote controllable range.

Invalid icon

Symptom	Cause	Solution
⃠ **The invalid icon is displayed and remote control is not possible.**	● Playback is restricted intentionally by the software producer.	● The operation is inhibited. Please try another operation.

Network part

Symptom	Cause	Solution
The "KENWOOD PC SERVER" application cannot be installed on the PC or it does not run.	● The OS of the PC is not compatible with the application.	● Install an OS compatible with the application.
DVF-N7080 is not detected by the own PC.	● The PC server does not see DVF-N7080.	● This is not a malfunction.
Use inside a firewall is not possible.	● Use inside a firewall may not be possible.	● Switch off the firewall.
There are no problems with the network connection, but playback is interrupted or stops.	● The network is busy. ● In case of a wireless connection it is possible that the transfer rate drops because of interference from other equipment.	● Check by stopping the other equipment connected to the network. ● Switch off microwave ovens and other equipment generating electromagnetic waves and check again.
The files of MOVIE, MUSIC, PHOTO are not shown.	● The settings for the "KENWOOD PC SERVER" application are not correct. ● The files have not been saved after import to "KENWOOD PC SERVER".	● Confirm the settings of the "KENWOOD PC SERVER" application. → 33 ● Press SAVE of the "KENWOOD PC SERVER" application and read-in the settings again. → 33
No sound with playback of movie files.	● A not compatible audio format is used.	● Use movie files with a compatible audio format. → 5
Some buttons are not displayed by the KENWOOD PC SERVER application.	● The display resolution setting is low.	● Increase the display resolution.

Photo part

Symptom	Cause	Solution
Photo files are not shown.	● The max. resolution has been exceeded. ● The max. file size has been exceeded.	● Lower the resolution to the max. resolution or lower. → 5 ● Lower the file size to the max. file size or lower. → 5
JPEG files on memory cards or discs are not shown.	● The file extension is not ".JPG" or ".JPEG". ● The file name contains characters or symbols other than alphanumerics.	● Resave as a JPEG file (extension: ".JPG" or ".JPEG"). ● Use only alphanumerics "A - Z", "0 - 9" and "_" (under score) for the file name.

Frequently Asked Questions (FAQ):
If you still have questions concerning the product after reading this manual, please consult the FAQ section on the Kenwood website of your resident country (if necessary you can find a link to your local website on www.kenwood.com <http://www.kenwood.com>).

Software and Firmware update:
A possible update for the PC Server software and Firmware information for your product can be found in the "Technical Support" / "Service" section on the website of your resident country (if necessary you can find a link to your local website on www.kenwood.com <http://www.kenwood.com>).

DVF-N7080 (EN/E,X)

[Type]

System ..... **DVD video player**
Signal read system ..... **Semiconductor laser**

[Laser section]

Laser wave length ..... **For DVD; 635 to 665 nm**
For CD; 770 to 810 nm
Laser power class ..... **Class 2 (IEC)**

[Audio section]

Frequency response
Sampling frequency ; 44.1 kHz ..... **4 Hz ~ 20 kHz**
Sampling frequency ; 48 kHz ..... **4 Hz ~ 22 kHz**
Signal to noise ratio ..... **More than 96 dB**
Dynamic range ..... **More than 94 dB**
Total harmonic distortion ..... **Less than 0.005 % (1 kHz)**
Channel separation ..... **More than 90 dB (1 kHz)**
Wow and flutter ..... **Below measurable limit**
Analog output level/impedance ..... **2 V / 1.1 kΩ**
Digital output level/impedance
COAXIAL ..... **0.5 Vp-p / 75 Ω**
OPTICAL ..... **-21 dBm ~ -15 dBm (Wave length 660 nm)**

[Video Section]

Video output format ..... **NTSC/PAL**
Composite video output level ..... **1 Vp-p (75 Ω)**
S-video output level
(Y-signal) ..... **1 Vp-p (75 Ω)**
(C-signal)
NTSC ..... **0.286 Vp-p (75 Ω)**
PAL ..... **0.300 Vp-p (75 Ω)**
Component Video output level
(Y-signal) ..... **1 Vp-p (75 Ω)**
(Cb-signal) ..... **0.7 Vp-p (75 Ω)**
(Cr-signal) ..... **0.7 Vp-p (75 Ω)**
RGB output level (SCART) ..... **0.7 Vp-p (75 Ω)**
Horizontal resolution ..... **More than 500 lines**
Video signal to noise ratio ..... **More than 67 dB**

[General]

Power consumption ..... **25 W**
Standby power consumption ..... **Less than 0.3 W**
Dimensions ..... **W : 440 mm (17-5/16")**
H : 55 mm (2-3/16")
D : 345 mm (13-9/16")
Weight (net) ..... **5.0 kg (11.0 lb)**

Notes

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

- Sufficient performance may not be exhibited at extremely cold locations (Where water freezes).

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KENWOOD

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your dealer for information or service on this product.

Model _____ Serial Number _____